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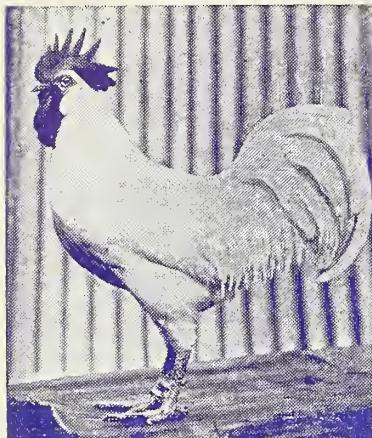
# THE INDUSTRIOUS HEN

VOLUME  
10  
NUMBER  
8

JANUARY, 1914

ONE YEAR  
50¢  
3 YEARS  
1.00





1st Prize Ck., Ky. State Fair, 1913

# EGGLAND FARM'S EVERLAYING SINGLE COMB WHITE LEGHORNS

Winners at all of the leading shows, including the Kentucky State Fair, where we won 1st, 2d cock; 2d hen; 2d cockerel; 1st, 2d pullet; 1st pen and best display, making practically a clean sweep in the largest class of Leghorns ever shown at this Fair.

We have 21 breeding pens of range-raised birds, all strong and vigorous and every one a proven egg producer. 5,000-egg incubator capacity—can furnish day-old chicks in any number. Eggs and chicks ready for delivery January 1st. Write for mating list.

EGGLAND FARM, W. T. MUIR, Mgr., Box 82, R. R. No. 4, LEXINGTON, KY.

BLACK

SILVER and COLUMBIAN

# ORPINGTONS=WYANDOTTES

I have just purchased the entire stock of winners and breeders of Black Orpingtons, Silver and Columbian Wyandottes and Silver Pencilled Rocks of Owens Farms and combining these flocks with my champion

WHITE, BARRED and PARTRIDGE ROCKS

And My World Best

Blue, White and Buff Orpington Ducks

enables me to furnish winners for any show, and the highest class breeding stock. My birds have never been defeated, always winning majority of firsts. Write me.

J. H. WENDLER :- State President A. P. A. :- LAKELAND, FLORIDA

# BLACK ORPINGTONS---Single Comb RHODE ISLAND REDS

Rhode Island Whites

Buff Orpington Ducks

White Runner Ducks

The grand show qualities of my stock have been well established. Have never failed to get the majority of firsts. Stock and eggs for sale. Some bargains in trios and pens in White Runners and Buff Orpington Ducks. The drake heading my Runners was second, and one pen of my Buff ducks was first at the great International last year. Write for prices. Can please you in birds and prices. Satisfaction guaranteed.

H. L. D. HUGHES :- :- :- :- :- :- DANVILLE, GEORGIA

# NOW IS THE TIME TO START

SOUTHERN PEOPLE, TAKE NOTICE. Are you going to sit idle while the Northern and Eastern Breeders take advantage of your opportunity? Do you know that D. W. Young sold over \$30,000 worth of Single Comb White Leghorns last year? Why this enormous income? Because the Single Comb White Leghorn is the MOST profitable, EASIEST raised, LEAST costly to maintain, BEST adapted breed of poultry ever produced. Single Comb White Leghorns are the BEST for SOUTHERN climate. My strain has been bred eight years for heavy laying of large white eggs. Write for free circular.

O. T. HALLMAN :- Box 1041-C :- CHARLOTTE, NORTH CAROLINA

# SOUTHLAND POULTRY FARM

# ORPINGTONS

## BLACKS — BUFFS — WHITES

We lead the South for quality. Our birds, in our own hands, have met all the main Northern and Eastern breeders, and for the last 5 years have won the lion's share of prizes.

Why not come to us and buy better birds for less money?

In 1912, at the National Buff Club Show, in Birmingham, we won in Buffs, 1st cock; 4th hen; 4th cockerel; 2d, 3d pullets; 1st, 4th pens.

IN BLACKS: 1st, 3d cock; 3d hen; 1st, 3d, 4th cockerel, and sweepstakes cockerel for best bird in the show. 1st pullet, 1st, 4th pens.

IN WHITES: 4th cock; 4th hen; 4th cockerel; 2d pullet; 3d pen.

In New Orleans the next week, BUFFS: 1st, 3d cock; 2d, 4th hen; 1st, 3d pullet; 4th cockerel; 1st, 2d pen.

IN BLACKS: 2d cock; 1st, 4th cockerel, and sweepstakes again, 1st pullet; 1st, 3d pen.

WHITES: 1st pen; 2d pullet; 4th cock; 4th cockerel.

Georgia State Fair, 1913, we got seven firsts, including all first pens; four seconds; three thirds; two fourths.

In Augusta, BUFFS: 1st, 3d cock; 1st, 2d pen. BLACKS: 1st, 2d cock; 2d pen. WHITES: 3d cock; 3d pen.

Does not this prove that we have as good as there is? Our birds are all farm raised. Write us, we will convince you we can give you better values for your money than any other breeder. If you want show birds fit to win, we have them at the right prices. If you want good, strong breeders, we have them from \$3.00 to \$5.00 each, that are large and fine. Satisfaction guaranteed.

**SOUTHLAND POULTRY FARM** :: **Box 4** :: **CLARKSTON, GEORGIA**



Breeder of Exhibition  
and High Class Utility

**WHITE LECHORNS**  
**WYANDOTTES**

Write for catalogue, breeding stock, baby chicks, eggs for hatching.

MAYWOOD POULTRY FARM :: Box 8 :: ANCHORAGE, KENTUCKY

WINNINGS 1913  
Louisville, Nashville,  
Hopkinsville,  
Cincinnati, Atlanta.

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## SINGLE COMB RHODE ISLAND REDS

My birds have won many ribbons and specials, and are especially noted for laying qualities. Eggs, \$1.50 per 15 straight. \$7.00 per 100. Stock for sale at reasonable prices. C. L. PEIRCE, Columbus, Ga.

## ANCONAS

Bred to lay and win. Three select pens of choice birds. Correspondence solicited. WOODHAVEN POULTRY YARDS, MRS. R. L. DUDLEY, Proprietor, Columbus, Ga.

## Salmon Faverolles

and Anconas. Eggs after January 1st, \$1.25 per sitting; \$3.00 per 50. Faverolles are about the size of Plymouth Rocks, very gentle and easily confined. Anconas beat the Leghorns laying. Few trios of above, and also Black Orpingtons for sale at \$6.00 trio. VINELAND POULTRY YARDS, Tullahoma, Tenn.

### Southland's White PLYMOUTH ROCKS

MARTIN F. SCHULTES

Albashire Box 143 Bartlett, Tenn.

### The BEST IS NONE TOO GOOD

Who has the best bred-to-lay-and-win WHITE WYANDOTTES? My pen No. 20 in Mo. National laying contest 1913 won fourth place, laying 1759 eggs. At the Arkansas State Fair 1913, in hot competition with my bred-to-lay stock, I won 1st and 2nd hen, 1st and 2nd cockerel, 1st and 2nd pullet, 1st pen and sweepstakes for 10 best White Wyandottes in show. Eggs from these winners and layers will start you right. Only \$5.00 per 30. Free circular. S. L. TODD, R. 1, Green Forest, Ark.

## POTTS' WHITE ROCKS

CAN CROW  
LOUD AND  
BACK UP THE  
CROW

in eggs and in their show record  
—3 firsts, 4 seconds, 1 third, 1 fourth, 3  
specials on 10 entries at 3 BIG 1913  
shows. Frank A. Potts, Charlotte, N. C.

If you wish to keep informed on the poultry industry in the South, subscribe for The Industrious Hen. Only 50c per year.

## S. C. BLACK MINORCAS

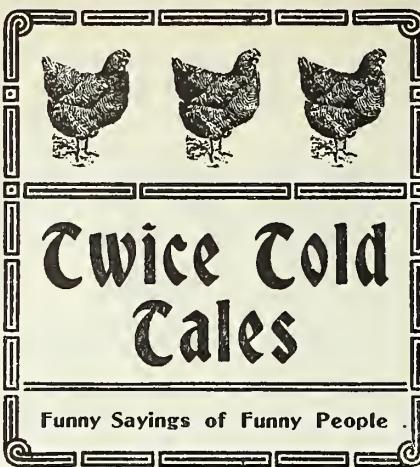
Northup Strain. 50 choice, early-hatched cockerels from line-bred stock of highest quality, \$3.00. Eggs, \$3.00 for 15; \$5.00 for 30. MRS. J. R. CHILDEERS, Route 5, Fayetteville, Tenn.

### PARTRIDGE, SILVER PENCILED and GOLDEN BARRED

## ROCKS

Madison Square Garden Champions, 1906-7-8-9-10-11. Free catalogue. HILLCREST FARMS, Oakford, Pennsylvania.

IF YOU COULD SEE  
my breeders  
YOU WOULD NOT LOOK  
much farther for eggs  
Kellerstrass Crystal White Orpington. Raised  
"The Kellerstrass Way."  
Five Dollars per sitting  
Mrs. Oliver T. Payne, Crossville, Tenn.  
Member American White Orpington Club



## Twice Told Tales

Funny Sayings of Funny People

### SHAKESPEARE ON THE ROAD

Hamlet had just been hit by a cold storage egg. Gravely he turned to his audience and remarked:

"How truly spoke the good Marcellus!" quoth he. "Something is rotten in the State of Denmark."—Harper's Weekly.

### DIFFERENT LANGUAGE

A Scottish farmer recently paid a visit to a South of England cattle show, and while walking around got talking with a native farmer. Neither could well understand what the other said. The Scotchman got a little nettled at this, and put it down to the Englishman's stupidity.

"Man," he said at last "yer cows moo o' right, and yer cocks crow quite plain, but I'm hanged if I can make you oot."—Exchange.

He had tried in vain to cut through the slice of roast beef the restaurant waiter had served him.

"Look here, waiter," he said at last, "I can't do anything with this beef. Bring me something else instead."

"Sorry, sir," replied the waiter, "but I can't take it back now—you've bent it."—Exchange.

The master of one of our village schools was examining some boys on a piece of poetry which he had given them to prepare the night before.

They all said it excellently except one small boy at the bottom of the class. On being asked to say his lesson, he said:

"I can't remember it, sir."

Master (in a rage)—Why, what's your head made for?

Boy—To put my hat on sir.—Southern Ruralist.

## White LEGHORNS

Bred to Lay S. C. White Leghorns and R. I. Reds—Birds that will win at your show at your own price. I have plenty of good Ckls. and Pullets and Hens for Breeders from \$1 up. I ship, and if not satisfied I pay the Express Both Ways. Eggs for hatching, \$1 per 15 or \$5 per 100. Write me what you want and let me make you a price. HERBERT HAUN, Mohawk, Tenn.

## The TANGLEWOOD FARM

Home of S. C. Buff Orpingtons of Quality. Fine, vigorous stock, two pens to select from. All birds have seven acres free range. Our eggs last year hatched 90 per cent. or better of strong live chicks. If you want eggs that will hatch chicks that will live and develop into fine birds, write TANGLEWOOD FARM, Box 104, Morristown, Tenn.

## CANCER

FREE TREATISE  
The Leach Sanatorium, Indianapolis, Ind., has published a booklet which gives interesting facts about the cause of Cancer; also tells what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper.

## FREE CATALOG

on Crystal White Orpingtons—Kellerstrass Strain—the Big Egg Producers. It gives you the names and addresses of our customers that won over Eight Hundred (800) First Prizes between Sept. 1st, 1912, and March 1st, 1913. An encyclopedia on Poultry. This Big Book is Free. KELLERSTRASS POULTRY FARM, No. 9508 Westport, Kansas City, Mo.

## BARRED ROCK EGGS

Book your orders now for spring delivery. My birds are winners at Louisville, Richmond, Somerset, Stanford, and Cincinnati, O. Eggs from best pens, \$1 and \$2 per sitting. Write for circular. A. C. COFFEY, McKinney, Ky.

## R. C. RHODE ISLAND REDS

A lot of fine cockerels for sale. Eggs when wanted. Just won in show of 1013 birds, 153 Reds, 1st pen; 1st cockerel; 1st, 2nd and 3rd pullet. Cup for best Red cock, cockerel, hen and pullet in show. Five specials. Write me. D. MATT THAMPSON, Statesville, N. C., Box B.

## WHITE WYANDOTTES and Single Comb REDS

On three entries of Wyandottes at the Great Atlanta Show, Dec. 1-6, I won two 1st and one 3rd. No more stock for sale. Eggs \$1, \$2 and \$5 per 15. C. A. ADAMS, Route 1, Fairburn, Ga.

## White and Columbian Wyandottes

Light Brahmans, S. C. White Leghorns. Over 30 years a breeder. Stock and eggs for sale. MICHAEL K. BOYER, Box H, Hammonton, New Jersey.

## BLACK ORPINGTONS

My 1st pen is headed by a \$200.00 cock bird weighing 11 1/4 lbs., mated to him four large hens weighing from 9 to 10 1/4, and my 1st Birmingham and Jackson, Miss., pullet. This pen is worth \$500. Eggs from this pen \$10 for 15. Second pen is headed by a June hatched cockerel weighing 9 3/4 and perfect type and color, low set comb and low on legs. Mated to him is Atlanta 5th hen, and three much larger and better and my 2nd and 3rd Jackson, Miss., pullets. Eggs from this pen \$7.50 for 15. Have some fine pullets and cockerels for sale—My stock came direct from the World Champion Strain Foxhurst. Book orders now. JOHN A. SHANNON, Box 174, Cullman, Ala.

# ROSE COMB REDS

The winning and laying kind. Two nice cock birds and a large lot of cockerels and pullets for sale. Get our free catalogue with prices before you buy. MRS. H. R. NUSZ & SON, Box 300, Cecilia, Ky.

## ORPINGTONS

WHITE, BUFF, BLACK  
—At 1912 Chattanooga Show, won 24 ribbons

with 26 birds entered, also sweepstakes cups for best cock and best pen in show, all varieties competing. At 1913 show with 22 birds entered, won 16 ribbons, also sweepstakes cups for best cock in show and best pen in English class. Stock all sold. Eggs for hatching, \$2.50 and \$5.00 for 15 eggs. C. M. WILLIAMS, Route 2, Box 138, Chattanooga, Tenn.

## S. C. Reds-Barred Rocks

OUR BUSINESS BIRDS. Do you want meat and eggs? Then why not get right and breed Reds and Barred Rocks? My winnings 1913, 12 firsts, 4 seconds, 1 fourth, sweepstakes, \$15.00 in gold, best pen—that's enough. Eggs, \$2.00, \$3.00 and \$5.00 per 15. A few nice Red Cockerels for sale. Write me today. L. A. CLAYTON, Box 135-C, Coaling, Ala.

## BARGAIN in BREEDERS

Cockerels, Pairs, Trios, or Breeding Pens in Buff Rocks, White Rocks, Anconas, White Leghorns and Black Minorcas. Also pen of fine White Runner Ducks. All to go at bargain prices for the next thirty days. A few choice exhibition birds for sale at right prices. EVER-GREEN FARMS, Route 5, Knoxville, Tenn.

## White ORPINGTONS

Prize winners wherever shown. Stock, eggs and baby chicks from heavy laying, trap-nested hens. Place your orders now. Mating list on application. LEEF POULTRY YARD, Rockingham, N. C.

## SWADLEY'S WYANDOTTES PARTRIDGE

They have been bred in line for years. I have won more firsts than any Southern breeder. The first in the South to win over American, Asiatic, and English Classes on Cocks and Hens. Stock and eggs a matter of correspondence. State Director National Partridge Wyandotte Club. Reference: Unaka National Bank. R. A. SWADLEY, Johnson City, Tenn.

## Polished ALUMINUM Knurled Poultry Bands

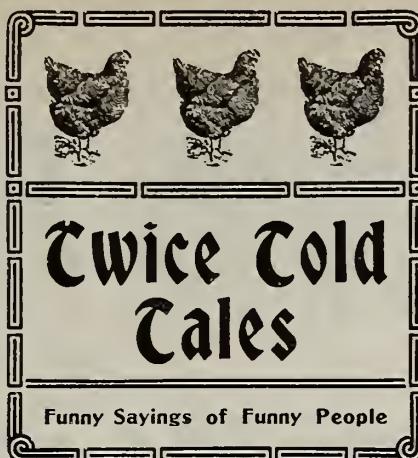
Neat, strong and durable; has large raised figures; guaranteed to give best of service. Also Pigeon Bands. Price, postpaid, 12 for 15 cents; 25 for 25 cents; 50 for 35 cents; 100 for 60 cents. NATIONAL POULTRY BAND COMPANY, Newport, Ky.

## PARKER'S RHODE ISLAND REDS

Rose and Single Comb. Redder and better than ever. Utility stock \$1.00 and up. Write for prices on breeders and show stock. B. D. PARKER, Sanders, Ky.

## GAMES

DARK CORNISH INDIAN GAME. Home of fancy line bred Dark Cornish. None other bred. Eggs for hatching a specialty, \$3.00 and \$5.00 per 15. Stock for sale. STANDARD POULTRY YARDS, J. R. Flanigan, owner, R. 4, Macon, Ga.



### TOO PRACTICAL.

"Never count your chickens before they are hatched."

"Of course," sneered Mr. Crosslots. "You're another of those people who want to take the chief pleasure out of the poultry business."—Washington Star.

### TESTING.

"Why do you put your finger on that paint. Don't you see the sign, 'Fresh Paint'?"

"Yes," replied the man with eccentric ideas, "but I can't keep from testing it and thinking what a convenience it would be if fresh eggs could be tested the same way."—Exchange.

Mother—Willie, is it possible you are teaching the parrot to swear?

Willie—No, mamma; I'm just telling it what it mustn't say.—Boston Transcript.

"Pardon me, gentlemen," said the individual who had just moved into the little town, as he entered the grocery store, "but is there a chicken raiser here?"

"Why don't you take an axe?" asked the village Tallyrand. "A razor will lose its edge if you use it on a chicken."—Ex.

A lady meeting the little daughter of her hostess in the yard one morning, asked: "And where are you going, my little maid?"

"I have been where I am going," was the polite response.—Woman's Home Companion.

That new hired man of yours must have been a bookkeeper before he came to you.

Why so?

I notice that every time he stops work a few minutes he tries to put the pitchfork behind his ear.—Puck.



## Use BAIR'S Bands

for marking your poultry and pigeons. Sample dozen Ideal bands marked with raised numbers for one dime. Mention your breed. Catalog Free. "BAIR, THE BAND MAN," Hanover, Pa., 54 Twilight Yards

## Lively White Orpingtons

LAY LIVELY, LOOK LOVELY. Bred to LAY, WEIGH, WIN. Kellerstrass strain—nothing better. Eggs, utility, \$2 setting 15. From PRIZE WINNERS and HEAVY LAYERS, \$3 and \$5 setting. Down-to-date winnings—Augusta, Nov. 1913. Write for circular. LIVELY POULTRY FARM, Augusta, Ga.

## BREEDER of EXHIBITION and UTILITY BARRED ROCKS

The Great Winter Layers. My birds have won at the largest shows in the State this season. Eggs for sale in season. Stock for sale. Prices right. Write for mating list and circular. L. C. BREEDEN, 308 E. Main St., Bennettsville, S. C.

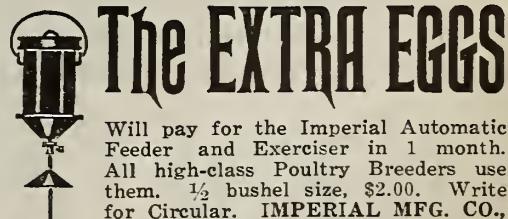
## MAPLE HILL POULTRY FARM

Mrs. Furman—Proprietors—Mrs. Skeene

Breeders of G. M. B. Turkeys, "Ringlet" Barred Rocks, S. C. White Leghorns and R. C. R. I. Reds. Stock and eggs in season. Write us your wants. Box No. 23, Route No. 1, Morristown, Tenn.

## S. C. WHITE LEGHORNS BARRED Plymouth ROCKS

Birds of superb quality. Have always won and are still winning at leading Southern Shows. Eggs, \$3 and \$5 per 15. Cockerels, \$1 to \$5.00. T. D. SMITH, Route 8, Knoxville, Tenn.



## ROGERS' "MONEY-BACK" POULTRY PUNCH

Easiest to operate, lasts longest and you can see what you are doing. Your money back if not satisfactory. The Original Good Marker T. W. ROGERS Box H. Lamont, Iowa

Established 1873

Plants in America and England

Established 1873

# WM. COOK & SONS

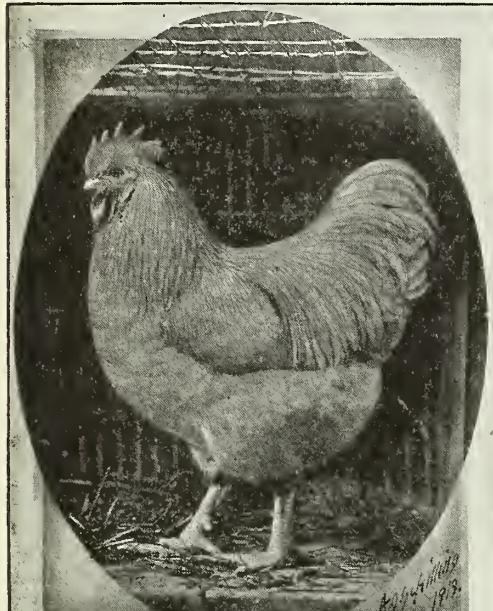
## ORIGINATORS

OF ALL THE

### Orpington Fowls and Ducks

BOX H

Scotch Plains, New Jersey



FIRST PRIZES C. BUFF ORPINGTON COCKEREL AT  
MADISON SQUARE GARDEN N.Y. 1912-13.  
BRED AND OWNED BY  
Wm. COOK & SONS SCOTCH PLAINS N.J.  
ORIGINATORS OF ALL THE ORPINGTONS.

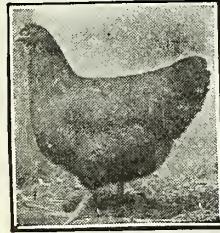
EVENTUALLY if you want the **BEST** Orpingtons, any variety, you will buy from their **ORIGINATORS**. **WHY NOT NOW?** and avoid loss of time, money and disappointment. We **GUARANTEE** safe delivery and **SATISFACTION**, backed by a reputation of forty years. This means something to you.

NOW is the time to order your **SHOW BIRDS**. We can make shipment on the same day as we receive your order, either in **IMPORTED** or **HOME-BRED** stock from our winners. We keep all varieties of the Orpingtons, including the Blue or latest production. **EGGS** from our winners and the finest birds in the world, \$20 a setting; from fine stock, \$10.

SEND 10c FOR ILLUSTRATED CATALOG, containing history of the origination of the Orpingtons and hints on poultry keeping. Advice free. Inspection cordially invited. We have won over fourteen thousand first prizes.

## Rhode Island REDS

ROSE AND SINGLE COMB



We have won more prizes in the last three years, in the largest shows of the country, than any other exhibitor. This is not hot air, but facts, and is easily proven. We are in a position to furnish stock for any show, large or small, and are offering some bargains for quick sales. If you want to improve your flocks, our blood lines will do it. If you want to win, we can help you. Our beautiful catalog of 64 pages, printed in three colors, contains many articles on raising and caring for poultry. It will be sent for 20 cents in cash or stamps. We are the largest breeders of Rhode Island Reds in the world, and if you are in need of anything, come to headquarters.

BUSCHMANN-PIERCE RED FARMS OFFICE-860 State Life Building INDIANAPOLIS, INDIANA Farms-CARMEL, INDIANA

## SECRETARY'S ENTRY BOOK

A very compact book, size  $8\frac{1}{2} \times 8\frac{1}{2}$  inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries. 50 Leaves \$1.00; 100 Leaves \$2.00. . . .

THE INDUSTRIOUS HEN CO.

:

Knoxville, Tennessee

# THE INDUSTRIOUS HEN

Vol. 10

Knoxville, Tenn., January, 1914

(Whole No. 116) No. 8

## The Brown Leghorn Hen of Today

By J. H. HENDERSON, Secretary-Treasurer of American Single Comb Brown Leghorn Club, Knoxville, Tennessee



BROWN LEGHORNS are known everywhere and admired for their sterling qualities and regal magnificence in dress and carriage. They are hardy from the start to finish, great foragers, consequently everlasting layers. Some one has said that a "Brown Leghorn" hen would scratch through an inch plank to get to a bundle of oats. Brown Leghorn pullets frequently begin to lay as early as four to four and one-half months of age and have paid for their raising before the larger

breeds reach maturity. Brown Leghorns are non-setters, but occasionally will get broody after they have reached the age of two or more years, and will set and raise a brood of chicks.

Here's a toast to the Brown Leghorn hen:

Here's to the "Little Brown Hen" Her province is to lay and lay again; She's immensely popular needs no "booster", Would lay at night, too If she wasn't a rooster

The Brown Leghorn hen is the farmer's feed factory. She transforms grain, milk, etc., into eggs; she is like a good Jersey cow—the more feed she will consume the more profit she will show. The Brown Leghorn hen lays well in winter when properly housed and fed. In the summer time when

most all of the larger breeds are clucking around or standing idle in some coop the Brown Leghorn hen is as busy as a bee and happy as a lark while picking up her living on the farm and sending her owner to market every week with a well-filled basket of eggs. It's a question with the farmer if winter eggs pay even at high prices after counting the extra care and feed necessary and the exposure to cold in caring for the flock and marketing the eggs. If any one doubts this statement, let him take a trip through the country and he will find as I have found, that it is the exception where one finds a farmer who has taken any thought or made any preparation to have plenty of winter eggs for market. The fact that the Brown Leghorn hen will produce great quantities of beautiful white eggs from January to October with practically no attention (on the farm) accounts for her great and universal popularity. There is scarcely a flock of mixed barn yard fowls throughout the Southland where Brown Leghorn blood is not in evidence.

To the amateur the breeding of exhibition Brown Leg-

horns is a puzzle. The Standard of Perfection requires the male to be a rich cherry red from head to tail, with hackle (or neck) feathers striped with a distinct black stripe running down each feather; the requirements for back and saddle feathers to be striped the same as hackle. The exhibition female must have a rich golden neck striped in black with back and wings a light, soft, even brown colors, and breast of salmon.

It is impossible to produce high quality exhibition specimens of both male and female from one or a single mating, consequently this has given rise to what is known to the fancier as double mating. The fancier will take a rich cherry red male and to him will mate females which are very much too dark for standard color of female; so dark in fact that some one has "dubbed" them Crow Leghorns. The males produced from this mating should be

of that rich, cherry red color like the sire at the head of the pen; females produced from this mating should be very dark like females in pen; this mating is known to the fancier as dark line or cockerel mating. Pullets produced from the dark matings make great laying hens and are valuable in mating to produce proper color on males, but pullets from this dark mating should never be exhibited in competition with the light or pullet line pullets.

Exhibition pullets are produced from what is known to the fanciers as the light or pullet line mating made up as follows: Select females with rich golden necks striped

with black backs and wings, that soft, light, even brown color with salmon breasts. (See Standard for color requirements). Select a male with rich golden neck, back and saddle about same color wings a dull rich brown breast will most likely be black with splotches of brown in breast and fluff. This mating is known to the fancier as light or pullet mating and should produce pullets the same color as females in this pen and males the same color as sire. From this mating one should secure some exhibition pullets, but males will be entirely too light for exhibition purposes, and should never be exhibited in competition with the red cherry males.

The cockerel or dark line should never be crossed with the pullet or light line, as color would be unsatisfactory and confusing. I would suggest that where a few Brown Leghorns are wanted for a small flock of even brown color that order be placed for eggs or stock of the light or pullet line mating. I have found the dark or cockerel line pullets even better layers than the light or pullet line pullets; they seem to mature earlier. I have females in my



Silver Queen, 3rd Pullet at Columbia, S. C., in Class of 36 Pullets Bred and Owned by McKee's Orpington Yards, Box 2H Watertown, Tennessee.

yards at this time, hatched in March, which began to lay in July, or at the early age of 4 months and 10 days old.

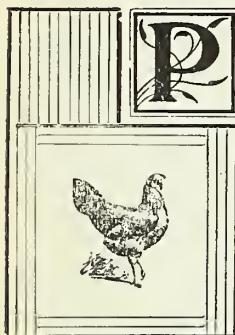
April and May are the best months in which to hatch Brown Leghorns; pullets hatched in March are most likely to molt late in the fall or early winter. Pullets hatched in April and May, if properly cared for, should begin to lay in September and the early part of October when most all hens are in the molt and resting.

Parties expecting lots of fresh eggs when eggs are highest about Thanksgiving and Christmas times, should look to the Brown Leghorn pullets and not depend on the hens. Push your pullets for eggs and rely on hens for breeders.

Anyone interested in "The Little Brown Hen" and desiring any information about mating, breeding, etc., Brown Leghorns, will receive prompt answer to all questions through the columns of The Industrious Hen. Information furnished by some member of the American Single Comb Brown Leghorn Club. All breeders of S. C. Brown Leghorns should become members of the American Single Comb Brown Leghorn Club. Membership fee, \$1.00. Send your name and address to J. H. Henderson, Secretary-Treasurer, Knoxville, Tenn., for any information concerning the club.

## The Value of Thoroughbred Poultry

By MRS. OLIVER PAYNE, Crossville, Tennessee



ERHAPS no other business has taken greater strides in the past few years than that of poultry raising. I heard a doctor recently say, "nursing"—and true it is that the "chicken man" and the "granny" have been rapidly relegated into oblivion, and in their stead today stand men and women worthy and capable of being classed with the world's best.

No more out of place are the noxious doses, plasters and poultices, with really live and up-to-date people than are the mongrel scrubs which still mar the yards of some. If there was a "reason" we could more easily tolerate the offending scrub, but a test wherein any fairness is displayed brings the thoroughbred out winner at every point. What if the thoroughbred eggs cost a trifle in the beginning? Rest assured you will spend the same amount before your flock of scrubs are raised when the year's work is ended.

Because the average person keeps no account of his mongrel flock is the main reason he does not know the difference. No need to pay a fancy price for show birds—leave that for the fancier, the one who already has learned by experience the real value of poultry.

There are numbers of breeders today where good utility thoroughbreds may be had for a nominal price and there is no gainsaying the fact; a thoroughbred with just any old treatment will lay as many eggs as a scrub, and with reasonable care will far excel.

For the ones who don't know how, there is a ready remedy: for the small expenditure of five cents a month or less,

there are numbers of good, reliable and practical journals devoted exclusively to poultry, and no fifty cents were ever better expended than in one or two of these, whether your flock consists of half a dozen or half a hundred birds. The man with a large flock does not need the telling; usually he has found it out by experience long before he grows into a large breeder. Rather than numerous journals published at different parts of the country and consequently conflicting apparently in their statements, thereby causing confusion; do justice to yourself and them by thoroughly studying two that are published near enough your home to make their advice applicable to your work.

Local conditions vary, and the advice given in the journal far away from your home, while being entirely what is needed by the people of that place, is not suited to your work at all. It does not take a college graduate to make a success of poultry, but hundreds of them are making a big success of it; no business is more adaptable to all classes. Whether you are a farmer with few acres or many, or whether you are a leading lawyer and statesman with a poultry yard, there is a certain and safe amount of pleasure and profit to be gained from thoroughbred poultry.

### "AN EGG SUPERSTITION"

The following article from the pen of "Uncle Dudley," appeared in the Boston Globe, November 16, 1913, and is interesting reading:

"If it were not for the widespread belief that eggs cannot be dispensed with as an article of diet, we should never have heard of the 700,000 members of the Housewives

League engaging in a 30-cent egg war." But the belief is not altogether well founded. Eggs are highly useful, beneficial, nutritious, but not indispensable.

"All the food elements they contain are in other common articles of diet. Most meats have more nutritive value, more protein and fat and less water than eggs. It is an old superstition that one egg is equivalent to a pound of beefsteak. In fuel value a whole dozen eggs does not equal a pound of round steak.

"But eggs are popular because they are digestible and are easily prepared. It is less work and it takes less time to boil an egg than to broil a steak for breakfast. In that simple fact may lie an explanation of the great demand for eggs and of the ensuing excitement when prices rise.

"The difference between the actual food value of a storage egg and that of a fresh laid egg is more than offset by the very great difference in price.

"Should every one keep hens who has a back yard in village or country? Not unless he likes hens and has indulgent neighbors."

Next to milk, eggs are most valuable for foodstuff, as they can be so quickly prepared.



First cock in strong class at Charlotte 1911 show. This bird was the sensation of the show room and was the center of attraction throughout the show. Bred and owned by O. T. Hallman, Charlotte, N. C.

# Roup--One of the Worst Enemies of Poultry

By J. W. BEESON, A. M., LL. D., Proprietor of the  
Woman's College Poultry Farm, Meridian, Mississippi



ROUP is one of the worst enemies to chickens that the breeder has to contend with, excepting white diarrhoea, which is so fatal to baby chickens. Roup doubtless kills more fowls than any other disease. It is a germ disease and originates from a cold, and is very contagious. It is a kind of influenza for chickens such as la grippe is for people. Roup is caused mostly from a cold caused by a damp house, or by draughts in the house, or by being kept wet in cold, rainy or damp weather; or by getting too warm from over-crowding in a house, or bad ventilation. Of course, every cold is not roup, just as every cold among people is not la grippe. It seems sometimes to be almost atmospheric and you can't tell what causes it. Often, however, it is brought in by fowls purchased or brought in from chickens that were at shows where others had it. If taken in hand in time it can easily be cured, but if it becomes chronic in an advanced stage it is hard to cure. It is very contagious in its last stages, the germs get into the drinking water when all drink out of the same vessel and it is soon conveyed to others.

Roup first starts with a running at the nose or eyes or both; sometimes the first indication is a swollen head or eyes. It is often detected by the fowl trying to clear its nose. In an advanced stage it can be detected by the bad odor that comes from the catarrhal condition of the nose, by smelling its breath. Another way to detect roup in an advanced stage is to look under the wing for feathers that are matted up by the discharge that comes from the nostrils when the fowl puts its head under its wing to sleep. In its first step one cannot detect the difference between it and a common cold. They both may cause a watering of eyes and nose, some swelling of eyes or head sometimes. They generally droop around, get thin and finally die. Frequently their eyes swell up, get filled with corruption and burst out. Some mistake this for "sorehead." Of course they have a sore head, but it is from a different germ from what is known as "sorehead" or chickenpox. They are both germ diseases and both cause heads to be sore but they are doubtless different germs and different diseases, though a fowl may have both at once like children may have measles and whooping cough both at once, yet be different (germs) or cases with some symptoms alike. The sorehead is like smallpox among people and has similar symptoms. The sores come only on the head because the comb and wattles are the tender places. Roup causes the head to swell on one side or the other, or both, but has not the separate pimples and scab noticeable in chickenpox.

However, "an ounce of prevention is worth a pound of cure." Keep houses clean and dry, well ventilated from the South by open front, but tight on North, East and West, with no cracks for draught to come in. If taken care

of and kept in a good healthy condition chickens ought never to have roup or any contagious diseases. Sometimes breeders get roup by purchasing stock that was infected. Try to buy healthy stock and keep any you buy separated from your flock for a week or ten days to see if they are perfectly healthy. Sometimes they catch cold from shipping and in this way turn into roup if not attended to at once.

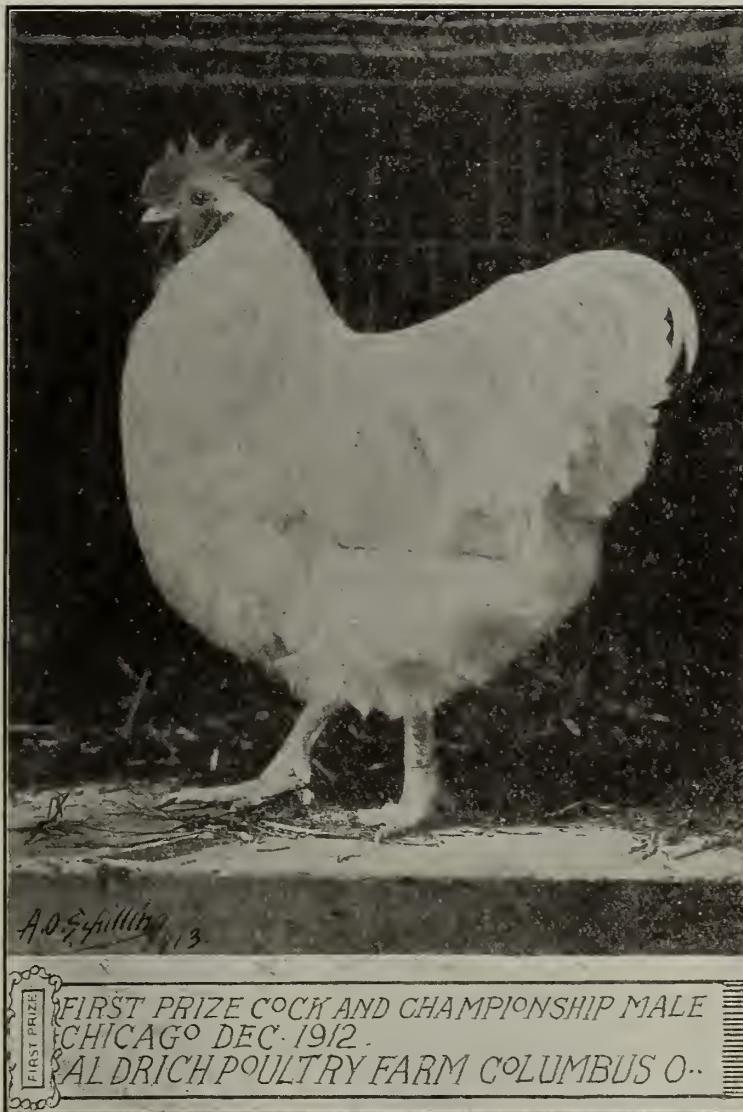
The best treatment we have found is to have a small oil can filled with kerosene oil that has twenty drops of carbolic acid to a half pint of oil. Squirt a drop or two in each nostril and a drop in the roof of the mouth of the sick fowl when you first notice a cold. If eyes are swollen, grease the eyes and head and comb, and wattles with grease that has an ounce of carbolic acid or creolin to a pint of linseed oil or lard oil or cotton seed oil, laid or vaseline. We find linseed oil holds well. Treat this way once

or twice a day for about three days or four, or till well. A spoonful of kerosene in the drinking water once a week is a good germ killer and preventive. Permanganate of potash put in the water, enough to color it a little, is a good preventive of roup or any other disease spreading, or a little carbolic acid in the water will do as well. Keep houses dry and clean and spray roost and scratching material once a week with kerosene into which a little carbolic acid or creolin has been added.

The above remedy generally cures it in a few days. If it does not you might as well cut its head off and burn it or bury it deep. If its eyes swell much from corruption you might as well kill it. Sometimes they get well, but are worthless as breeders. They are more risk to other fowls than they are worth. Always separate a sick fowl from the others as soon as you find one. Put the sick where no other can get near it. Most sickness is contagious. Keep your flock healthy by removing all sick ones, and if very sick kill them unless very valuable. Poultry medicine in water will not cure roup. Look carefully over your flock every day. You can soon tell

when one feels bad. Remove it at once to itself until you find out the cause.

Recently a remedy has been discovered that claims to make fowls immune from roup by injecting some of it under the skin. We have never tried it at the Woman's College Poultry Farm. If this is practicable, and I do not doubt it, it will be quite useful among valuable fowls sent to shows or purchased from other flocks to inoculate before bringing into your flock. It is likely that a different remedy must be used for sorehead and it is likely to be discovered by scientists at an early date. This method would be impracticable as a preventive on a large scale. It would be useful only where a few are to be treated and they of considerable value. When an inexpensive, practical specific has been found for white diarrhoea, roup and sorehead, chicken raising will be a bonanza. Already cholera is not so dreaded as formerly, because cleanliness, pure



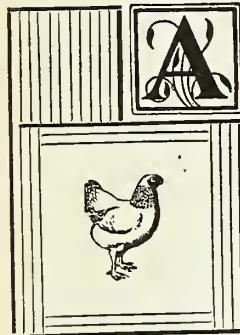
water and feed have largely prevented it. A tablespoonful of salts to ten grown fowls once a week and the same amount of sulphur once a week three days apart from July to October, will, to a large extent, prevent sorehead and make mild cases of most that have it. This also keeps a fowl in a healthy condition in the season to resist other disease. It is a help in fighting roup and cholera.

Woman's College Poultry Farm has tried the above remedies with fine success. The College will be glad to answer any questions it can about any phase of poultry raising or duck raising. Always send stamp for reply. It is trying in a scientific way to furnish the best breeding stock of fancy and utility fowls of the kinds it makes a specialty of. It has found Indian Runner Ducks, all three varieties, free from all these diseases mentioned and very

profitable. The College sends out free of charge a booklet on the Orpingtons, White Wyandottes and Indian Runner Ducks. Although you will not find them in the catalog we have the finest strains of Rhode Island Reds that you can find in America, having taken up the raising of them after our catalog was published. This college has found the Orpingtons to be the best all purpose fowl in its tribe. It raises White, Black and Buff Orpingtons and recommends them in the order mentioned. This catalog will also give you information about treating the most common diseases. Send two cents for postage on the free booklet. Questions about any phase of poultry answered promptly by the college. It is trying to encourage thoroughbred poultry raising throughout the country that they be raised more extensively.

## Rules Governing Artificial Incubation

By H. C. DICK, Knoxville, Tennessee



At the time of the year approaches for us to think of the hatching season, we say to ourselves that we will try our best to have better hatches this season than we had last. Following is some of my experiences with the "Wooden Hen". If this machine is one that had been in use, it should first have a thorough overhauling. Begin by taking out all removable parts and remove the burlap or other cloth, that may have been attached to them and replace same with new material. We use our burlap feed sacks for this purpose. Next, the inside of the machine should be fumigated or sprayed to remove or destroy germs that may have come with the last hatch. The thermometer should be tested; the lamp and burner cleaned thoroughly; the wick removed and thrown away. The burner should then be boiled in water and vinegar with a teaspoonful of baking soda in it, until all the dirt and grease is removed, then let it dry, and polish until it looks new; it will give more heat and use less oil. Then put in a new wick, trim it until the flame will be rounded at the corners like the shape of the burner. Next, the heater and flues should be cleaned; a stiff brush is useful for this purpose. After all these precautions, the incubator is in proper condition for another hatch. I take it for granted it was a good machine to start with. If it has never been run, the manufacturers' instructions should be followed closely, because he made it and by all means should know best how it should be run. We next come to the location of the machine; the best place is a room or cellar of even temperature that is dry, well ventilated and well lighted. The air in the room circulates through the incubator and through the system of the embryo chick and air that is unfit for human lungs is detrimental to the chicks. Where the ventilation is bad, the air becomes saturated with lamp fumes and poisonous gases which go with the air into the egg chamber and are injurious to the embryo in the egg. All avenues of circulation and ventilation must be changed as the weather conditions change; for this use common judgment. Moisture is another thing that the operator must use his or her best judgment about, for as all locations differ they can only be told by looking at the air cells in the egg at different times. The machine itself should be placed near a wall where the lamp and doors afford easy access. It must be set as level as possible or the heat will be uneven and the flame of the lamp untrue. Chances are it will smoke. Sunshine or direct rays of light should be avoided by placing a curtain over the glass door of the machine. The lamp, heater, flues and egg chamber should be slowly warmed with a small flame on lamp—a flame that will heat the egg chamber to the proper degree in about twelve hours is best. The machine should be run empty for one or two days until a regular heat has been established and the regulator adjusted so that this temperature will be maintained throughout the hatch. The first hatch attempted by an amateur should be run through with eggs of little value before he or she tries the hatching of high priced eggs.

Bad odors and smoking lamps are often due to poor oil, and unless this fault is remedied the hatch will be spoiled. Imperfect lamps, short wicks, or wicks that are filled up in the web are also serious obstacles to success in artificial incubation. The best obtainable lamps and wicks are often faulty. If they are defective in any respect, they render the keeping of an even temperature difficult or impossible. An even heat current cannot be maintained unless the incubator is absolutely level on top. Flues that are clogged with soot fail in heating; oil-covered lamps soil the hands and pass the odor of oil through the heater into the egg chamber. The handling or turning of eggs with hands that are soiled with oil destroys the embryo in the shell. Too much haste in warming over heats the eggs and kills the germs. A sudden jar of the incubator separates the yolks in the eggs and the chick promptly dies. If the eggs are left out to cool until they are chilled, they will not hatch. Lamps irregularly filled, carelessly trimmed, and allowed to burn too high or too low, assure failure as will also neglect in turning and airing the eggs. It has been discovered through chemical research that there is a larger percentage of carbon dioxide in the air under the hen sitting on eggs than there is in the air inside the incubator during a hatch. There is no proof, however, that carbon dioxide is necessary for the best success in artificial incubation.

Follow the directions that come with your machine; they indicate the place for the thermometer. These directions must be followed because the correct reading of the thermometer depends on its location. To have the reading correct, the thermometer must be located and read according to the directions for operating each kind of incubator. The special directions for each type of incubator must not interfere with the general laws that are indispensable to successful incubation; nor can the system of artificial incubation be applied with good results unless the incubator in use is properly adapted to these general principles.

Ceiba, Spanish Honduras, Oct. 4, 1913.  
Mr. J. H. Henderson,  
Knoxville, Tenn.,

Dear Sir:—

Seeing your ad. in "The Industrious Hen" 1910, I hasten to ascertain whether or not you are selling Brown Leghorn eggs?

Please quote prices on same. Could you give me an idea of what they would cost delivered to Ceiba?

Would you ship by parcel post or express? I should order 150 eggs. Quote prices on that number.

Very respectfully,

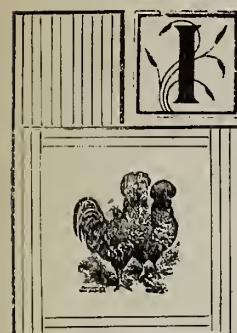
MRS. N. M. RICHARD.

Address answer in care of Dr. V. C. Reynolds.

Do you carry White Leghorn eggs and chickens? Prices on both; also Brown Leghorn hens and cockerels.

# Need of Co-operation in Buying and Selling

By J. H. PETHERBRIDGE, Mt. Airy, Philadelphia, Pennsylvania



**N** poultry and farm journals, speakers at the Grange meeting, and orators at the poultry association and farmer's institution, there is no subject of such vital interest and upon which so many diverse suggestions have been offered of late, as that of the need of cooperation in buying and selling. And while our agitation along the lines of conservation, organization and scientific efficiency may be peculiarly "American" the demand for practical, money-saving, waste-eliminating cooperation is

by no means confined to this side of the big pond.

Mr. Gifford Pinchot, known the country over as a champion of conservation, in a recent address at a Philadelphia corn show, told of the success of cooperation in Ireland; spoke of one cooperative association in Ireland of 1000 farmers, which was doing a yearly business of \$16,000,000. Mr. Pinchot declared that many movements of co-operation in the United States had failed because the farmers (and he may well have included poultrymen) involved in the plan had failed to grasp the true idea. Many farmers have the idea that cooperation means a joint stock company and forget that it is an organization of men and not money. No cooperative scheme that neglects the interests of the consumer while guarding the interests of the producer can long survive. If by powerful and effective cooperation the producers succeed in eliminating the score of middlemen and make no division of the savings effected with the consumer how long have they any right to ask the consumer to cooperate? If your scheme of cooperation contemplates no relief to the "high cost of living" for the ultimate consumer, you had better abandon it before initiation.

A rather novel scheme of cooperation comes to us under the label of "Made in Germany" known as "Hausfrauen Verein" or housewives associations. The first German association was formed in Rastenburg, a city of 10,000 situated in East Prussia, in 1908. There are now thirty-three such associations in East Prussia, eleven in West Prussia, three in Pomerania, two in Posen and one in Silesia. The central thought of these associations is that the housewives of the city and country have a common interest and that there is no legitimate reason why they should continue to live as strangers to one another.

The most interesting activity of these associations is the maintenance of sales places or market halls, where all the members can meet, barter and exchange. Only members of the association are permitted to buy or sell in these halls, for aside from the purpose of enabling the farmer's wives to have a ready market in which to dispose of their wares and the city wives a center in which to buy goods of assured value and purity, it is further desired to bring the two classes—producers and consumers—into better mutual understanding. A new and better social relation

is established on all sides and false barriers are broken down.

The German Minister of Agriculture says of these associations:

"We have at last a sane effort, based on the most practical lines, to make the purposes of the city and the country housewife one. The gulf which has so long existed between them is being substantially bridged to the great gain of homes and the nation. Germany is securing as a result of this a new set of women, broad-minded women who know no real distinction between city and town, and who intelligently understand the laws of food production and consumption. The country housewife now has a social as well as a business recognition in the city, and the city housewife is no longer a wasteful, ignorant mistress of a kitchen which spells ruin instead of healthful economy. In every way these associations have benefited Germany, and

it is to be hoped that their work will spread in every direction and be helpful to the housewives of every country."

It has been proposed to introduce these housewives associations into this country, the first experiments to be made in the New England states. We are very skeptical of their success, for the reason that our housewives, either city or country are not "made in Germany" and lack the German thrift and industry. But as regards our poultry industry, there is a form of cooperative effort available, involving no new or novel experiments, the organizing machinery for which is already set up, awaiting only the push and pull of efficiency engineers.

In every state in the union, in which the poultry industry is of moment there is scarcely a city or town of from 5,000 to 100,000 but what maintains one or more poultry associations that in addition to their other activities (or in lieu thereof) hold an annual fall or winter show. Why not utilize these poultry associations in forming, financing and operating local cooperative exchanges? It can be made an attractive business proposition. The activity of the

exchange need not, in fact should not be limited to the function of buying and selling on a commission basis, birds offered for sale or sought by members of the association and others, but the exchange should carry a small stock and contract for larger quantities of everything in the way of grains, feed, appliances, remedies, etc., that its members and the general public require or can be interested in pertaining to poultry culture. Guaranteed strictly fresh, sterile eggs could be offered to the public and orders received for fresh killed poultry. In season the exchange can act as an agent for its members in the sale of hatching eggs and baby chicks.

Such an exchange should be able to sell to its members and stockholders at a saving to the individual, while still giving the exchange a fair margin of profit. Such an exchange should be a daily poultry show and ought to enhance 100 per cent the interest of the general public in poultry and poultry products.



FIRST PRIZE BLUE ORPINGTON COCKEREL AT  
MADISON SQUARE GARDEN N.Y. 1912-13.  
BRED AND OWNED BY  
HALDIE NICHOLSON LEOMINSTER MASS.

# Mottled Anconas -- Winter Egg Machines

By H. CECIL SHEPPARD, Berea, Ohio



NCE upon a time, my children, there was a young couple named Speckle—"Speck" for short—Mr. and Mrs. Speck. They took up their abode in the farm yard community in a quiet inobtrusive way; no social splash for theirs, no fuss nor feathers.

Mrs. Speck made her appearance bright and early next morning after their arrival, arrayed in a neat house dress of black and white calico, such as our grandmothers used to call the Guinea hen pattern. The dress was becoming to her trim well rounded figure, and was a perfect fit; possessing the added value of having been made by Mrs. Speck herself.

Dress, however, was the least of her troubles, and she proceeded at once to dig up a breakfast for herself and husband. Then, without waiting to look over the bargain ads in the morning paper or size up her neighbors from behind her parlor curtains, she set to work immediately riddling up her own back yard, constructing a well made nest, and deposited therein a large fresh laid egg.

Mr. Speckle, be it known, was very proud of his thrifty little wife, and crowed several times to call the attention of the rest of the community to her many virtues.

"My dear, you certainly do lay a beautiful egg," said he, "and the size really does you credit."

"Nonsense, Speck, utter nonsense. I could do the same thing every day in the week and not turn a feather."

But despite her efforts to appear calm and unconcerned, his unstinted praise went to her head and she commenced to cackle hysterically. At that, Speck emitted several crows, and between the two they caused quite a commotion. So much so, in fact, that all the neighbors ran out to see what was the matter.

"Whew," said little Mrs. Leghorn, "the idea of kicking up a racket over such an every-day affair as laying an egg!"

"My stars," drawled Mrs. Wyandotte, dressed in pure white so early in the morning. "Quite vulgar, I am sure; and really the egg is off-color. I, myself, see nothing to admire in a white egg. Give me a rich brown one every time."

"Dear me," sighed Mrs. Plymouth Rock, who, by right of ancestry, belonged to the order of Colonial Dames. "The blue blood of my ancestors would not permit me to make such a public display of private affairs. I never did go much on domestic science. If eggs must be laid, why, what's a husband for?" looking disdainfully around.

Now, Mr. and Mrs. Speck heeded not at all these deprecating remarks of their neighbors, but kept on industriously with their daily tasks, working out their own ideas of what was right and proper. Never failing to produce more eggs than any of the farmyard family.

Mrs. Speck never shirked her household tasks nor her duties as a mother. She had no Yankee notions of small families, and consequently after storing away a generous nest full of eggs, the fruits of her own labor, and after sitting on them twenty-one days and pondering heavy thoughts as to the responsibility of rearing a large family, she presented her liege lord with a family of fifteen little Specks.

I should love to go into details about the cute ways of these spry little fellows and how they thrived and grew, but it would take too long.

Sufficient to say that the Speck family prospered as a reward of their thrifty and economical ways. Mrs. Speck's gown of calico was replaced by one of shiny silk, although she still adhered to the Guinea hen pattern. She usually wore a gay little red toque on her head, looped coquettishly over to one side.

They climbed rapidly and steadily up the social ladder until the top round was reached; namely, entrance to the poultry show. Looking forward to this moment of triumph, Mr. Speck foresaw the necessity of a pedigree and seemed quite down-hearted as he broached the subject to his wife.

The good little woman in a truly wifely way arose to the occasion as she had done many times before, and proudly replied:

"Dear husband be not disheartened, I have good news for you. As our children were growing up around us, I could see the necessity of producing a family tree and coat-of-arms in order to admit them to the high-brows of chicken-dom. For some time I have been working along this line, and at last my efforts have been crowned with success beyond my wildest dreams.

"I find we are direct descendants of the ancient and honorable family of Ancona. The cradle of our ancestors was rocked on the family estate at Ancona, Italy, several hundred of years ago. The cradle is somewhat dilapidated, but could be patched up.

"I have ordered a coat-of-arms struck off, and we are now ready for the crowning event of our lives—the poultry show."

"But," interposed the bewildered Mr. Speck, "shall we enter under the name of 'Speck'?" That sounds so insignificant for such a blooded family."

"By no means, my dear husband. 'Mottled' is the proper word for 'Speck' and our ancestral name is Ancona, you will remember. We enter under the name of 'Mottled Ancona'."

Whereat, the former Mr. Speck raised up on his toes, arched his neck, flapped his wings three times, opened his beak and in clarion notes that could be heard throughout the farmyard out-chanticleered Maude Adams.

The increasing popularity of the Mottled Ancona is focusing the attention of all poultry raisers today, to the qualities that might justify such rapid strides forward. We have passed the age of fads and fancies, and a bird must possess real merit in order to hold its own with the many breeds that are filling our poultry shows and crowding the advertising columns of our poultry journals. Let us then for a moment touch upon the qualifications and a brief history of the Ancona as she appears in the show rooms today.

As you pass down the long aisles of coops your attention is arrested by the striking appearance, graceful lines and beautiful plumage of the bird. From the style of comb and shape of body you readily set her down as belonging to the Mediterranean class—somewhat larger than the Leghorn and a trifle smaller than the Minorca. You are right. The type originated in the little town of Ancona, Italy. From there we hear of its introduction into Spain, thence to England, and now all over the civilized world.

So much for history. Now for the qualifications that entitle them to the front rank among utility fowls. It has been proven by actual test that the Mottled Anconas are superior to the Leghorns for winter layers, having a record of 270 eggs for each hen per year. Their eggs weigh on the average two ounces.

The chicks are spry from the very first and mature rapidly, enabling one to put squab broilers on the market in time to realize fancy prices.

When we add to these good points the fact that the Ancona is thrifty and energetic, and good forager and will save you 15 per cent. on her board bill over any other known fowl, it then behooves one to sit up and take notice.

If you are a country gentleman looking for a beautiful, classy looking breed of poultry to complete your landscape scheme, you need look no further than the Mottled Ancona, either single or rose comb.

If you are a market man, you will find that the Ancona will fill your basket fuller and at less cost than any other breed of fowl.

If you are a poultry fancier and show man, you cannot afford to ignore the all-round merits of this wonderful bird—the Mottled Ancona. Here's to her success. May she live long and prosper.

Study the instincts of the fowl now as never before. You must think for her, forage for her, and make roosts and nests for her. Your intelligence must interpret her instincts and make full provision for them. This is your only hope.—Poultry Item.

# Many Causes of Failure With Poultry

By E. G. WARDIN, Charlotte, North Carolina



ONETIME ago two poultrymen in conversation on various subjects pertaining to their calling became very much interested. They discussed different methods of housing, feeding, mating, etc., when one made the remark that you were always seeing new names and faces in the business and ventured the assertion that 95 per cent of those engaging in the poultry business made a failure of it.

Can it be possible that only five out of a hundred who attempt to navigate this wreck-strewn channel succeed in avoiding its perils? If that be a fact (of which I have very serious doubts) there must be some good reasons for it; some of which I will endeavor to point out. It is common for writers on this subject to view the rosy side of the picture with the mistaken idea that the other side should be hidden from view for fear some one might become discouraged.

The hen is a very sensitive creature and responds readily to good or bad treatment; she is also a timid bird and should be so treated. Those who fail to recognize these facts will soon be among the 95 per cent. If the hen fails to do her full share as a partner in the business it is the cause of neglect or abuse. That neglect may be through ignorance, but if abuse, is unpardonable. The man who allows himself to get angry or in any way vents his spite towards his fowls, can never, nor does he deserve to succeed in the business. The excitable man who cannot move about without going on the jump, cannot expect the hen to lay her full complement of eggs.

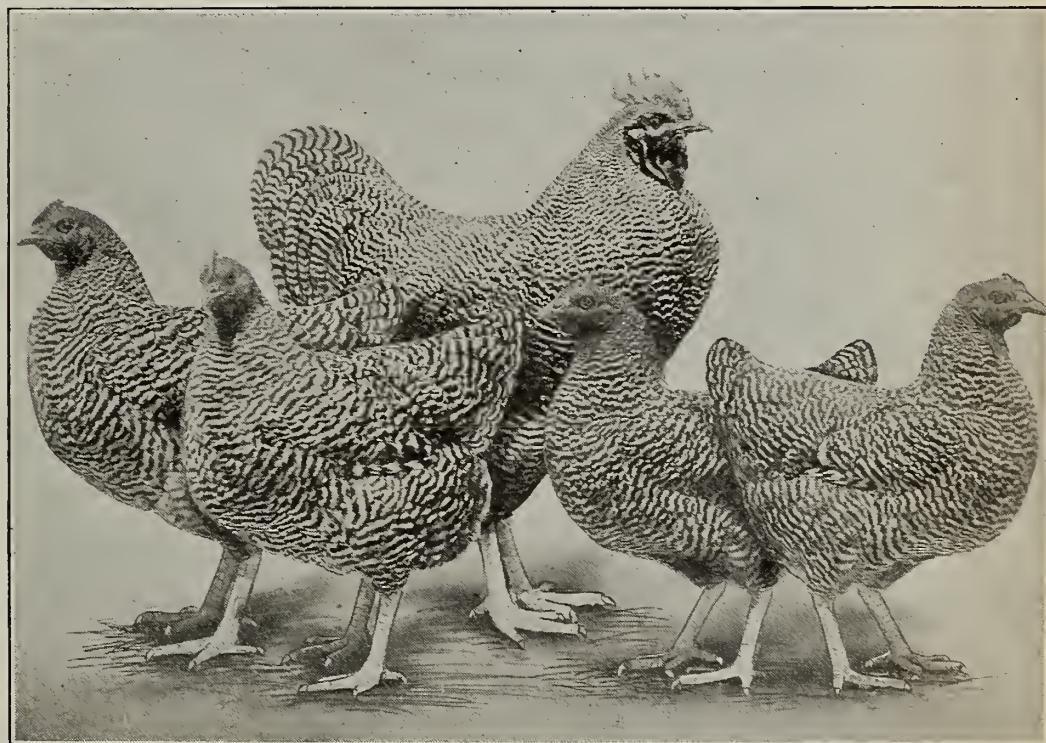
The hen in her native wilds lays twenty eggs, hatches and rears her brood, then her duties are completed for the season. "Self preservation is the first law of nature," and secondly, is the universal effort to perpetuate the species. Man has taken advantage of this instinct in the hen, and instead of being satisfied with twenty necessary for that purpose, has increased that number to two hundred. In so far as the hen is an artificial product and in order to carry out the design must be furnished with ingredients in her food to enable her to produce the 180 extra eggs. The conditions and surroundings must also be favorable or she readily returns to her twenty eggs.

It is well known that egg production is largely under control of the will of the hen. In her native jungle if she becomes frightened or disturbed during the laying period, instinct tells her she must change the location of her nest; she therefore stops laying until a suitable place has been decided upon; then she commences anew to lay the twenty. In the domestic state, if frightened in any way the laying propensity is partially suspended. Suppose the passionate man chases her around the yard and throws clods at her, or the excitable man comes around with his jerky ways, swinging a sack over his head, that hen will lay very few eggs until she forgets it, and her owner curses the business and joins the 95 per cent. The attendant should go among his fowls in a quiet way, avoiding any sudden or angular motions, making friends with them at feeding time and love them as companions if he expects to derive the greatest measure of profit. The best book on poultry is to be found in the poultry yard among the hens; study their habits and wants, give them several kinds of food at the same time to see what they will eat first; perhaps a week after they will prefer something else. Their appetite is a guide to go by, don't adhere to any fixed rules but study it out for yourself.

A man may plant potatoes on the 5th of June, cultivate them on the 1st of July and they will grow just as well for the man who dislikes the business as the one who loves it. The one who takes up poultry culture with the expectation that it can be conducted on the same plan, will soon read failure. Seek to make the surroundings as agreeable for the laying hen as possible; she is no water fowl, but should have plenty of pure water to drink; beyond that she likes dry runs, shelter from rains, winds and sun. We do not need to rehearse formulas for feeding; there are plenty of them in every journal.

There is another class of men who should never attempt to run a poultry business, they are represented by the one who can't keep his own face clean; he is the inveterate sloven, it sticks out all over him. He cleans the premises semi-occasionally or oftener if it gets so bad he cannot get around. Hens swarming with lice; red mites everywhere; feeds whenever it is convenient, and if his hens do not lay two eggs a day, he, too, curses the business and joins the 95 per cent.

It should be remembered that the hens generally kept for their eggs are of the Mediterranean breeds and being of a timid nature are more sensitive to external influences than heavier breeds. While there is an unlimited market for eggs at 3 to 5 cents each, there is no good reason for saying the business is a failure. Examine yourself to see



First pen at Cincinnati, Ohio, December, 1913. Bred and owned by C. E. Spaugh, the Barred Rock Man, Rugby, Indiana.

if you don't belong to one of the above classes described and if so, don't blame the business.

## Poultry Keeping a Political Issue

In the recent city election at Melrose, Mass., the question of the regulation of poultry keeping was referred to the voters, and they decided against the irritating restrictions which for some time the city government had been trying to enforce. It will interest poultry keepers in other cities where restrictions are imposed that seem to them unreasonable to know that the poultry keepers of Melrose won their fight by organizing a local poultry association, holding frequent public meetings at which lectures were given on various aspects of poultry keeping, arousing the citizens to the real importance of the question, and—at the same time—working for the election of the officials not antagonistic to their interests. Altogether, the "war" has been on for about two years. It is probably ended in favor of the fowls for a time at least.—*Farm Poultry*.

# THE INDUSTRIOUS HEN

ONE YEAR 50C. THREE YEARS \$1.00

Devoted to the Interests of Commercial and Fancy Poultrymen  
Entered at Knoxville, Tenn., Postoffice as second-class matter

S. B. NEWMAN & COMPANY..... Publishers

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In the February issue of The Industrious Hen there will be a communication of special interest to every poultryman of East Tennessee. Do not fail to read it.

Now is the time to begin advertising for egg orders. The hatching season will soon be here, and those who can supply the egg trade should begin advertising in February. Send your ad. to The Hen.

The year 1914 brings glad tidings to poultrymen everywhere. The past season was rather disappointing to a great majority, but all indications lead us to be very optimistic for the best season in the poultry industry that has been experienced for many years. We would say to those who are rather inclined to look on the gloomy side, lay down your hammers and join the progressives.

We regret to announce that Hon. Reese V. Hicks, who for the past five years had been editor and manager of Poultry Culture, has severed his connection with that journal and has laid down the editorial pen. His resignation as editor was made necessary on account of having recently accepted the position of western sales manager for the Hover-Incubator Manufacturing Co., Brown's Mills, N. J. Mr. Hicks is an accepted authority on matters pertaining to poultry culture, and the absence of his regular monthly articles will be keenly felt. We are glad to note, however, that Mr. Hicks will be in position to lend a helping hand to the poultry industry as he travels from place to place in the interest of his firm. The Hen cackles at his success in the business world and wishes for him continued prosperity.

Mr. J. A. Dinwiddie, of New Market, Tennessee, has been appointed Assistant Commissioner of Agriculture for East Tennessee, by Commissioner T. F. Peck. The appointment became effective January 1st, and is a wise selection. Mr. Dinwiddie is well qualified for the position. Besides being one of East Tennessee's progressive farmers, he is an expert poultry judge, with an excellent record at many of the South's leading shows. He will devote his efforts largely to the development of local organizations and co-operative plans among the farmers of this section of the state, giving special attention to co-operation in the marketing of products and the purchasing of supplies. The poultry interest will be increased as a result of Mr. Dinwiddie's appointment, and naturally, we are going to expect him to officially aid in the development of this important branch of the live stock industry in Tennessee.

## What Science Has Done for the Chicken

Since eggs have acquired the bad habit of becoming luxuries, and chicken meat has become almost as expensive as wild duck, we have come to regard poultry with more interest than in the days when they were simply "barnyard fowls." From plebeians they have grown to be aristocrats, and as haughty as the money trust, and we study them with a view to making them sources of revenue, or as a means of protecting us against the high cost of living, that comes down on us like a wolf at the fold. The annual poultry show held at the Fifth Regiment Armory was worth while because it illustrated the application of science to a homely and once neglected subject, and proved how culture can develop a "biddy" into a queen. Poultry raising has its attractions merely as a fad, but its "universal appeal" is in its utilitarian side. The poultry convention at the Armory did not attract as much attention as the Democratic National Convention, or even as an assembly of suffragettes, but it represented a class of feathered citizens who contribute a great deal to the daily comfort of the world.—Baltimore (Mo.) Sun.

## The Undesirable Knocker

If there is one word in our vocabulary that we would like to cut out, it is that word hate, but how we all hate a knocker. The dictionary defines a knocker as one who knocks or raps for admission. The modern definition is far more reaching. We all admire the man who will stand up to our face, look us in the eye, and tell us what he thinks of us, no matter what that opinion may be; but the man who smiles and smirks in another's face, then goes behind his back and "knocks" him, is but a blotch on the face of the earth. If he was as small in stature as he is in principle, he could dance the tango on the head of a pin and leave room for the band. There are not many of them in the poultry business, but there are a few who cannot stand defeat, nor to see others succeed, without getting out their hammers to help swell the anvil chorus. You can't saw wood or cut much ice with a hammer. Think it over and then join the boosters' club.—Successful Poultry Journal.

## To Our Subscribers

If you fail to receive The Industrious Hen each month, please notify us (a postal card will do) and we will promptly investigate the matter. We want every subscriber to get The Hen every month.

THE INDUSTRIOUS HEN CO.

## Nature's Standard Single-Mating

In the September issue of The Industrious Hen, the writer had an article on "Double-Mating for Exhibition Barred Rocks," in which I made the radical assertion that a standard that requires the male and female Barred Rock to match in color is fundamentally in error and opposed to natural law and the advance of this grand old breed in both utility value and true beauty. That some of our distinguished Barred Rock breeders, while conforming to said artificial standard as they are compelled to do, yet endorse the position I assumed, is amply demonstrated by the careful perusal of any first-class poultry journal. Mr. Haldie Nicholson, of Leominster, Mass., celebrated as a breeder of wonderful Barred Rocks of the cockerel line, in a letter to the December Reliable Poultry Journal, after speaking of his success the last two years with the Blue Orpington, adds: "Perhaps you will be interested in the fact that I have originated the Barred Orpingtons, and they have come along very good, and in the course of a short time we shall have them not far behind our Barred Rocks. I am making the proposed standard a single-mating standard—that is, I am making the standard to nature. The female is to be four or five shades darker than the male, so that we shall be able to show the male and female out of one pen."

If, with Mr. Nicholson's experience, he believes that a Standard in Barred Orpingtons should be a nature standard that can be produced in single mating, why does he not fight for the same in Barred Rocks?—J. H. Petherbridge, Mt. Airy, Philadelphia, Pa.

THIS IS YOUR  
CHANCE TO GET A

**"BLUE-BAR" COCKEREL  
OR TRIO**  
AN UNPARALLELED OFFER

Have you been wanting a fine Barred Rock Cockerel or a choice trio, something a little better than you feel you can afford just now, but that you really need for your breeding pen? If so, this is your chance.

I have set aside six grand cockerels at \$7.50 each, four splendid cockerels at \$10 each, five very choice, properly mated trios at \$15 each, and two extra special trios for \$20 each. You can have one of these elegant cockerels, or a trio, sent to you right now in time for the breeding season and pay for it a little at a time, one-third with your order, one-third at the end of thirty days, and the remaining third in sixty days.

Never before has such an offer been made to the readers of The Hen, but we believe in you, that you will appreciate this straight forward business proposition, which is free from red tape of all kinds. This offer is limited to the above described birds and they will be shipped to you on approval on the same terms as though the sale was for cash. Eggs for hatching, \$2 to \$10 per fifteen. Every pen headed by a first prize male. Write for free catalog.

**L. H. READE (HIGHLAND PARK) RICHMOND, VA.**

MR. BRYAN'S PAPER, THE  
COMMONER

As an exponent of the plans and purposes of the National Democratic administration, The Commoner is of unusual interest to all progressive citizens. Mr. Bryan's signed editorials give a timely discussion of public questions and are interesting and valuable to all students of governmental affairs. It is a big, 32-page monthly. Besides supplying the best political and general matter, it has interesting Home, Fashion, Farm, Cartoon and other departments. A carefully prepared report of the work of the various members of the President's Cabinet is especially interesting to each tax payer. The subscription price is \$1.00 a year.

Many of our readers are already Commoner subscribers; many others may desire to be. To make it convenient as well as inexpensive for our readers to send subscriptions to The Commoner, we have arranged with Mr. Bryan to furnish his paper to our readers at a special low rate. Only \$1.00 pays for a full year's subscription to this paper and a full year's subscription to The Commoner. If already a subscriber to either paper your expiration date will be extended one year.

Reports from the American Association of Warehousemen indicate that there is a shortage of some 400,000 cases of eggs as compared with conditions of a year ago. This means that eggs will command a good price.

Whenever the eggs of turkeys fail to hatch full broods and but few of those which are hatched are thrifty, the probability is that the flock has been too long or too closely inbred. The best remedy is to select from the whole flock the best of the old hens and then get young and fresh blood from some stock not related to the hens.



**FISHEL'S WORLD'S BEST  
White Wyandottes**

Have again demonstrated the fact that they are the dependable strain

At Cincinnati, Ohio, December 1-7, 1913, in the strongest show ever held in that city, they won: First, Second, Third and Fourth Cock; First, Second and Fourth Hen; First, Second, Third and Fifth Pullet; First Old Pen; First, Second, Third and Fourth Young Pen; Sweepstakes for best Cock bird in the American Class. Sweepstakes for best Pen in Wyandotte Class, and several Cups and Specials. Is not this convincing proof, considered with the fact that for years they have been outclassing all rivals wherever shown, that Fishel's Blood Lines are right? Our stock is all grown on free range, where every individual bird has room to roam over large fields and pick up nature's food, this insuring a vigor never found in birds reared in enclosed pens. We can supply your every want, be it an individual show specimen to fill your weak place, or an entire show string, or a breeding pen. Send twenty-five cents for elaborate catalogue.

**J. C. FISHEL & SON :: Box H :: HOPE, INDIANA**

**WHITE WYANDOTTES**

Have a number of exceptionally fine cocks, hens and pullets that I will sell at bargains for quick buyers. Will sell my New York, Atlanta, Savannah and Columbia winners. If you want some of the best blood in America write me at once stating what you want, and I will make you price to suit. Remember my birds have won from New York to Atlanta in awful strong competition. No cockerels left.

**T. L. LITTLE :: Box No. 534 :: CAMDEN, S. C.**

**JNO. LOW SMITH'S**

World's Best Winning and persistent Egg Laying strains, 241 Peters St., Atlanta, Ga. 1200 prizes and 35 cups last 5 years. Augusta, Nov. 1913: 16 firsts, 4 cups and \$99.00 in cash. Buff Leghorns; 2 and 5 cock; 1, 2 and 5 hen; 1 and 2 cockerels in class of 8, 2nd pullet; 2, 4 and 5 pen; \$10.00 best Buff Leghorn display. All firsts Rose Comb Reds. All firsts Buff Cochin Bants, including 1st cock; 1st, 2nd, and 4th hen; 1st ckl.; 1st, 3rd and 4th pullet; 1st and 2nd pen; \$25.00 pen cup; \$25.00 ckl. cup and \$15.00 champion display. One week later at Columbus, 16 of a possible 18 firsts and 4 \$25.00 cups. Eggs from clear Golden Buff males and females. S. C. Buff Leghorns. Wonderful Layers. \$5.00, 15. Grand matings, \$3.00 and \$1.50, 15. Eggs from Rich Rose Comb Reds. 200 egg record; blood that won National Egg Contest over all \$3 for 15. \$5.00, 30. Fine matings, \$1.50, 15; \$2.50, 30. All record laying stock. Eggs from small, fluffy, solid, Golden Buff Cochin Bantams that have swept nearly all Southern shows clean—for I own and have bred some of the finest in the world—\$3.00, 15. I have won firsts at New York, Memphis, Augusta, Macon and at Atlanta. Jan. 1912, in class of 125 Buff Rocks I won all firsts and \$50.00 in gold for best display, any variety. Eggs, \$3.00, 15. Birds from \$2.00 to \$25.00. Send for circular.

**JOHN LOW SMITH, 241 Peters St., ATLANTA, GA.**

**S. C. WHITE LEGHORNS**

Five yards now mated. Booking orders for eggs, \$2.00, \$3.00, \$4.00, \$5.00 per 15. A few fine cockerels for sale. No pullets.

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# WHITE Plymouth ROCKS

Winners for years at the best shows. Are offering special mated trios at \$7.50, \$10.00, and \$15.00. Pens at \$10.00, \$15.00 and \$20.00. Cockerels, \$3.00 and \$5.00. Eggs from select matings, \$2.00 per 15. From all exhibition matings, \$5.00 per 15. Incubator lots of 50 or more at \$10.00 per 100. Send us your orders. We guarantee satisfaction.

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## ELM GROVE POULTRY FARM

Single Comb WHITE LEGHORNS Exclusively

This being a Commercial Egg Farm, our breeders are of a carefully selected type with a tendency to prolific egg production, and these hens (no pullets being used for breeding purposes) are mated to cockerels that are direct descendants of a proven strain of heavy layers. These breeders are given the most careful attention with the view to the production of eggs that will hatch strong, livable chicks. Eggs: 15, \$1.25; 50, \$3.50; 100, \$6.00. Baby chicks: Double the price of eggs.

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## NO LIVING MAN

SEE THAT XX? can hatch one egg the Magic Egg Tester rejects before incubation. We challenge the world to do it.

5TH YEAR POINTS THE WAY. Why put eggs under the hen or in the incubator that you are not first sure about? You lose if you do it. You are wasting the earliest and best hatching month if you delay its use. Heed this warning, or next May you will wish you had. "The Magic Egg Tester is the poultry raiser's *vade mecum*." \$2.00 each, and and no further expense to use. One year's trial, fully guaranteed, and cost refunded if not satisfied. Experimental specialists in incubation, giving the latest and best methods with each Tester. Circular mailed for the asking.

MAGIC EGG TESTER WORKS, Dept. G, Buffalo, N. Y., also Bridgeburg, Canada.

## ERVIN'S S. C. RHODE ISLAND REDS

Have won places in the hottest of competition wherever shown. Some of my winnings for 1913: Spartanburg's great poultry show, 87 Reds competing, 1st pullet; 1st and 5th hen; 3rd cock; 4th cockerel; 1st pen. Special for best pullet in show, all varieties competing. Atlanta's great Southern International show, 2nd pullet and 5th cockerel. Will sell a limited quantity of eggs from my best pens at \$5.00 for 15. Eggs from other good Reds, \$2.00 for 15.

J. D. ERVIN :: P. O. Box 97 :: SPARTANBURG, S. C.

## Poultry Shows and Associations

By EDW. M. GRAHAM, Knoxville, Tennessee

The first annual exhibition of the Eastern Carolina Poultry Association was held at Darlington, S. C., November 26-28. This was the largest show held in South Carolina for the season of 1913-14. There were 1342 birds on exhibition from nine states, including chickens, ducks, turkeys, geese, peafowls, guineas and pheasants. The show room is 100x200 feet, with overhead and side lights and also lighted by electricity. This show netted the association enough to pay for 1200 exhibition coops, which will be available for their coming show November 25-27, 1914. Much credit for the success of this show is due H. L. Harlee, secretary-treasurer.

The eighth annual show of the Philadelphia Poultry, Pigeon and Pet Stock Association, held in the First Regiment Armory, Philadelphia, Pa., December 16-20, was by far the most successful show of the Association's history. From the opening to the final switching off of the lights, the attendance was large and the interest never flagged. Over 2,000 chickens and 1,000 pigeons contested for the regular premiums and special prizes, and the entries

of hares, rabbits, ducks, geese and turkeys were not only numerous, but of very high quality. Worthy of special mention were the entries of White Leghorns, Barred Rocks, Campines and Houdans. The Blue Orpingtons, White Faverolles, Dark Cornish and Partridge Cochins were centers of interest. The moving pictures depicting the life of a chick from the egg to the table, and scenes of large duck and chicken farms were an appreciated novelty.

At the Great Southern International Poultry Show held at Atlanta, Ga., December 1st-6th, with over 3700 birds in competition, R. H. Anderson, of Lynchburg, Va., made six entries on S. C. Black Minorcas and made the most remarkable winning ever recorded by a Minorca breeder at this show. The winnings were as follows: 1st cock; 1st and 5th hens; 1st cockerel; 1st pullet; and 1st pen, every bird entering being placed. This is the first time that a Minorca breeder has ever won all five first prizes at the Atlanta show. His birds were one of the attractions of the show and were very much admired by exhibitors and judges for their great size, carriage, length of body and low tails. In fact they were pronounced the finest Minorcas ever shown at Atlanta. He will make up two very choice pens headed by 1st Atlanta cock, and 1st Atlanta cockerel. The females in these pens will all be of good size and typical Minorcas in every respect. These pens are without doubt the finest in the South.

### GREAT WIN AT CHICAGO.

At the Great Midwest Poultry Show at the Coliseum, Chicago, Dec. 12th-17th, 1913, the Aldrich Poultry Farm, Columbus, Ohio, made a remarkable win in White Orpingtons, winning on 19 birds entered: 1st and 3rd cock;

### SHOW DATES

Pittsburgh, Pa., Jan. 19-26, 1914.  
Birmingham, Ala., January 20-23, 1914.  
Green Bay, Wis., Jan. 21-25, 1914.  
Enid, Okla., Jan. 26-31, 1914.  
Townville, Pa., Jan. 28-31, 1914.  
South Bend, Ind., February 2-7, 1914.  
Eaton, Ohio, February 2-7, 1914.  
Indianapolis, Ind., Feb. 2-6, 1914.

1st, 2nd and 5th cockerel; 2nd and 4th hen; 1st young pen and 1st old pen. They also won grand specials for the best display, also White Orpington Club special for the best colored male, and the White Orpington Club special for the best shaped male, and the White Orpington Club cup for best display. All their winning birds were bred and reared on their farm, thus again proving that it is not necessary to import birds to win in America's best shows.

### BIG BIRMINGHAM POULTRY SHOW.

The Birmingham Fanciers Association will hold its annual show at Birmingham, Ala., January 20th to 23rd inclusive, and from the secretary's report of inquiries it promises to be the biggest of the kind ever held in the South. The secretary's report shows from ten to thirty inquiries per day since the first of December, 1913. This association is offering to exhibitors a large number of silver cups on all classes of poultry, also twelve gold leg bands, large quantity of feedstuff donated by local dealers, special club cups, ribbons, etc., in addition to the regular cash prizes and ribbons. All interested in making this show should communicate with the secretary at once for premium lists, etc., as a winning at this show will be a valuable asset in the future.

The management is very enthusiastic over the outlook and say that if exhibitors will do their part by the association, they will show them how to make a show successful at a nominal entrance fee. Mr. Miles Bradford is president and Mr. Frank Riddle, clerk of the city court of Birmingham, is secretary of the association.

### CHATTANOOGA'S BIG POULTRY SHOW.

The statements that the South is excellency itself for fine poultry are more than verified by the high standard of the exhibits which were shown at the Chattanooga poultry show, which was held the week of December the 8th, and was judged by the well known veteran F. J. Marshall and the prominent and energetic young judge, C. I. Fishel, of Hope Indiana.

Sunny Tennessee is ideal for raising thoroughbred poultry, and as Chattanooga is so located on the map that it is the hub of the prosperous South, the Chattanooga exhibit is always an important event for breeders of quality, which seems to be a hobby of all Southern fanciers, due in a sense to the unusual natural advantages this section of the country affords. The winters are mild and the nights in the summer months of June, July and August are always cool, giving the Southern raisers of poultry the opportunity of keeping their flocks growing constantly from the time the chicks leave the shells up to maturity. It is needless to dwell on the fact that the chick that rises up to maturity without any interruption or set-back is always in the money at the showroom.

The Chattanooga show for 1913 was far above any of the shows held there in the past, and the natural advantages for raising birds in the South of course was responsible in a great degree for the high standard of quality and perfection of the exhibits, but a strong factor which must not be overlooked is the indefatigable work of Mr. Hal B. Moseley, President of the Association, and Mr. E. C. Barnes, who is Secretary, as both of these gentlemen played an important part in making the 1913 show such a wonderful success.

In addition to the work of the officials above mentioned the large undertaking of arranging the display room and decorating the same, the placing of the exhibits as they arrived and the caring for them while on display was admirably handled by Mr. J. G. Fletcher, Manager of the show, who certainly is a past master in looking after this important work which is one of the assets of the Chattanooga Association, and the good work of Mr. Fletcher is primarily responsible for the annual success and increase in the number of entries from year to year.

Mr. Fletcher stands high in the Chattanooga community as a breeder and fancier of prize-

## ANCONAS

Winners Madison Square Garden, Philadelphia, Baltimore, Atlanta and elsewhere.

Exceptional values in show and utility stock.

Birds warranted to WIN!

H. E. PORTRUM

Rogersville, Tenn.

winning birds, with an enviable reputation extending over the entire South.

The Chattanooga show had a classification of sixty varieties with a stipulation of four for a full class, and this year's show set a precedent along these lines, as practically every class was full, which of course made the competition very keen in every variety, making the awards of merit particularly attractive to all exhibitors.

The size and quality of the show can best be determined when we tell you it required eighteen hours for such efficient judges as Mr. Marshall and Mr. Fishel to judge the exhibits and agree as to the winners.

The exhibition building was crowded from the time the doors were thrown open to the public until the show closed Friday night at 11 p. m., indicating the deep interest which is displayed by residents of Chattanooga and surrounding territory in poultry raising, and it is safe to state that farmers in the South are paying more attention to the raising of thoroughbred fowls each year, showing the gratifying results which are being secured from poultry exhibits held in this territory. The common "barn-yard" variety which used to be so prominent is now almost a thing of the past in Southern territory, which is in reality "the garden spot of the world" when it comes to breeding and raising fine poultry as an industry or as a hobby.

Plans are already under way for the arranging of the 1914 show for Chattanooga which is going to be a hummer. A majority of the exhibitors in the 1913 show have already asserted themselves for exhibits next year and the natural advantages of poultry raising in the South, coupled with the energetic work of the officials of the Chattanooga Poultry Association, is bound to produce a show next year of unusual size and quality which will be open to the world, as the slogan of the Association is and always will be "let the best bird win."

—Fred C. Rose.

## DO YOU KNOW HIM?

"All nonsense and folderol," and the fat man sat complacently down, as though having expressed his opinion; there was of course nothing more needed saying.

He had attended a poultry lecture, and being as small minded as he was large bodied, had poo-hood.

"Just as though it made any difference how large or how small, what color, or anything else, so long as a hen will lay a few eggs," he continued, for it did not satisfy his self-importance when the thin, nervous little man sitting opposite, had made no reply. He took the cigar from his teeth and looked straight at the little man, in an attempted compelling attitude.

"Most assuredly, if only a few eggs is all you want, my dear sir, any kind of an old hen will do. It is only for those who are not satisfied with just a few eggs, we are improving our breeds, and conditions." And the little man seemed equally as well content with having expressed his opin-

## "PITTSBURGH PERFECT" CHICKEN AND RABBIT FENCE

Prepare for the coming little chicks, by stringing proper fencing now. "Last moment" fence generally proves an expensive "make-shift" and bother.

Seventeen line wires at the bottom of "Pittsburgh Perfect" Chicken and Rabbit Fence are only 1 inch apart—no chick can get through this. The heavy, well galvanized Open Hearth steel wires in the fabric are

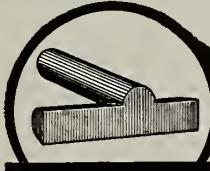
## Welded by Electricity

at every crossing point into a one-piece fence of real strength and durability. Prowling animals are barred out. Easy to erect. No top and bottom boards required. Fewer posts needed. Best looking, most economical and satisfactory fence made.

## SOLD BY DEALERS EVERYWHERE

Section of Weld Amalgamation Perfect

Our new catalogue is full of fence information. Sent free.



Pittsburgh Steel Co.  
Pittsburgh, Pa.

Makers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products, including all styles and sizes of "Pittsburgh Perfect" Fencing



## POULTRY FENCE

22½ cts. a rod

48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1½ at bottom to 3½ inches at top. Fewer posts and no base board or top rail required.

STRETCHES UP LIKE A FARM FENCE.

27¾ cts. for a 48-inch and Stock Fence made of heavier wire and having 6-inch mesh. From Factory Direct to Consumer. 100 styles and heights of Poultry, Farm and Lawn Fence. Catalog FREE. Box 253 KITSELMAN BROS. Muncie, Ind.

## FARM FENCE

11½ cts. a rod

17 1-4 c. a rod for 48-inch high stock fence: 28 1-2 c. a rod for a 50-inch heavy poultry fence. Sold direct to the farmer on 30 Days Free Trial. Special barb wire, 80 rod spool, \$1.40. Catalog free. INTERLOCKING FENCE CO. BOX 36 MORTON, ILLINOIS.

FOR POULTRY

**BROWN FENCE**

NEW BARGAIN BOOK FREE

Costs half as much as common chicken netting, lasts 5 times as long. No top or bottom boards necessary—big No. 9-12 wires support Brown Poultry Fence perfectly. Use Half as Many Posts

Bottom wires spaced 1 inch apart—chick tight and rabbit proof as well as stock strong and rust proof. Double galvanized. Sold direct from factory, freight prepaid. Write for money-saving bargain books showing 150 styles of fence and gates for every purpose. Samples also mailed free to test.

**DIRECT FROM FACTORY**

**WE PAY FREIGHT**

THE BROWN FENCE & WIRE CO. Dept. 37 Cleveland, Ohio

**F.P.C. Chick Manna**

A complete prepared food for little chicks, turkeys, etc. Introduced 1884. The first chick food on the market and recognized everywhere as the best. Brings chicks safely through critical first ten days. "Chicks like it and thrive on it." Ask your dealer for it.

**Special Trial Offer by Parcel Post.** introductory offer to ship 1-lb., 5-lb., or a 15-lb. package, postpaid by mail. Send for free circulars of "F.P.C." Poultry Foods and Supplies.

**F. P. Cassel & Son. A-14 Lansdale, Pa.**

**BULLETINS**  
"CYPHERS COMPANY SERVICE"  
DEPARTMENT

No. 3  
Sanitary Conditions  
for Poultry

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"CYPHERS COMPANY SERVICE"  
DEPARTMENT

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Back-Yard  
Poultry Keep

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Green Food for Poultry

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Dryness Essentials  
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Chicks

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Important Don'ts  
for Beginners to Meets

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No. 11  
Using of Incubator to  
Get Best Results

PUBLISHED BY  
CYPHERS INCUBATOR COMPANY  
BUFFALO, N. Y., U. S. A.



## Will Make You

*It's come—the Poultry Raiser's Harvest Time—the time when biggest sales, richest profits, knock at the door of every poultry grower. Poultry and eggs are in highest demand everywhere—all that can be supplied—at top prices. It's a nation-wide demand, fixed—one that will continue for years.*

The enormous shortage of beef cattle, of sheep and swine, that must be faced this year and for years to come has skyrocketed meat prices and, more than that, the demand is far ahead of the supply. There's just one direction for people to turn in this emergency—AND THAT'S TOWARD POULTRY AND EGGS.

Please grasp the bigness of this wonderful chance. Then ask yourself, straight self-to-self—“Am I going to fail utterly or to have miserable setbacks in meeting this splendid money-making opportunity?” “Am I going to handicap myself with poor tools, when real incubators and brooders and other poultry equipment will insure my getting on the market early with the choicest poultry meat—the biggest

egg production?” “Am I going to fail to meet up with this unequalled opportunity?”

Now, if ever, you want to give this business your best efforts. You want to give yourself a fair, square chance to prosper by using only poultry equipment of proved reliability—by relying on the name that stands first in the service of

the most successful large scale poultry raisers—the World's Standard

**CYPHERS**  
INCUBATORS and BROODERS

*Don't start out with small ideas during this great poultry money-making period. Time is too precious to experiment. Don't buy an incubator you have to coax and cuddle and stay up nights with! Remember Cyphers is Standard wherever incubators are known. Remember Cyphers Company products are the right tools—the proved tools, safe and dependable. Let us help you win the fullest measure of real success.*

**Cyphers Company's Free Bulletin and Personal-Letter Service**

We want to help all poultry raisers—we want them to have the benefit of our knowledge and experience whether or not they are Cyphers customers.

Hillside Farm, Joseph S. Roe, Breeder of White Wyandottes, Silver Campines, Houdans, White Leghorns and Ornamental Bantams, Lafayette, N. J.—“I have been operating two 244-egg, one 144-egg and one 70-egg Standard Cyphers Incubators, all of which have given splendid satisfaction. Here are some of my recent hatches, good average results from tested eggs: 160 eggs, 145 chicks; 162 eggs, 147 chicks; 82 eggs, 79 chicks; 157 eggs, 146 chicks; 175 eggs, 167 chicks. From personal experience I have found that there is no incubator that will hatch as many strong, liveable chicks from a given number of fertile eggs as will the Cyphers.”—July 24, 1913.

# Free Service

## More Poultry Money

Because we are far-sighted enough to realize that every step that advances the poultry industry—advances our interests in the long run.

That's why we've a big Free Correspondence Department in charge of Poultry Experts. We gladly answer in detail, give experiences and advice to anyone anywhere who writes us for poultry counsel. No charge whatever.

Our Free Bulletin Service preserves in permanent form, for the benefit of our customers, the experiences and facts developed at the Cyphers Company's \$75,000 Experiment and Demonstration Farm. Any reader of this paper is entitled to a choice of any three of the Bulletins listed below. Simply write to our home office, Buffalo, N. Y., for the numbers you want, or have your name listed to receive the entire set.

- No. 1—Winter Eggs and How to Get Them.
- No. 2—Dry Feeding by the Hopper Method.
- No. 3—Sanitary Conditions for Poultry.
- No. 4—Back-Yard Poultry Keeping.
- No. 5—Green Food for Poultry.
- No. 6—Dryness Essential for Poultry Houses.
- No. 7—Common-Sense Feeding of Fowls.
- No. 8—Important Don'ts for Beginners to Memorize.
- No. 9—Proper Brooding of Chicks.
- No. 10—Proper Feeding of Chicks.
- No. 11—Handling of Incubator to Get Best Results.
- No. 12—Marketing Eggs at a Profit.
- No. 13—White Diarrhoea of Chicks.
- No. 14—Poultry Raising for Profit on the Farm.
- No. 15—Poultry Houses, Their Proper Construction.
- No. 16—Special Fattening of Fowls.
- No. 17—Selection and Care of Breeding Stock.
- No. 18—Line Breeding and Trap Nesting.
- No. 19—Best Markets for Table Poultry.
- No. 20—Where to Start in Poultry Business.
- No. 21—Common Diseases of Fowls and Chicks.
- No. 22—Common Mistakes in Poultry Keeping.
- No. 23—Combining Poultry and Fruit Growing.
- No. 24—Common Poultry Pests.

## \$1,000 Prize Contest Book

This wonderful book contains reports—fact-stories from men and women chicken-raisers all over the country—who won out over hard conditions—who met difficulties and downed them—who succeeded because they were earnest, careful, efficient. This book is a gold-mine of valuable suggestions to anyone interested in poultry growing. A free copy will be sent to any address, domestic or foreign, on receipt of 10c in United States stamps to cover cost of mailing.

## Free—"Poultry Foods and Feeding"

Cyphers Company's complete "chick-raising advice book" gives correct methods of feeding from first day till fowls are prepared for market. Every phase of the subject covered in careful detail. Every suggestion reliable. Most valuable free book on this vital subject ever issued. 52 pages. Mailed—on request, free to you.

## "Best Methods of Brooding"

Tells how to successfully brood and rear chicks—how to insure the highest percentage of life and vitality. Every poultry man and woman should possess a copy of this valuable book. Write today. Book mailed FREE of all charges.

## Send Now for Big FREE Catalog

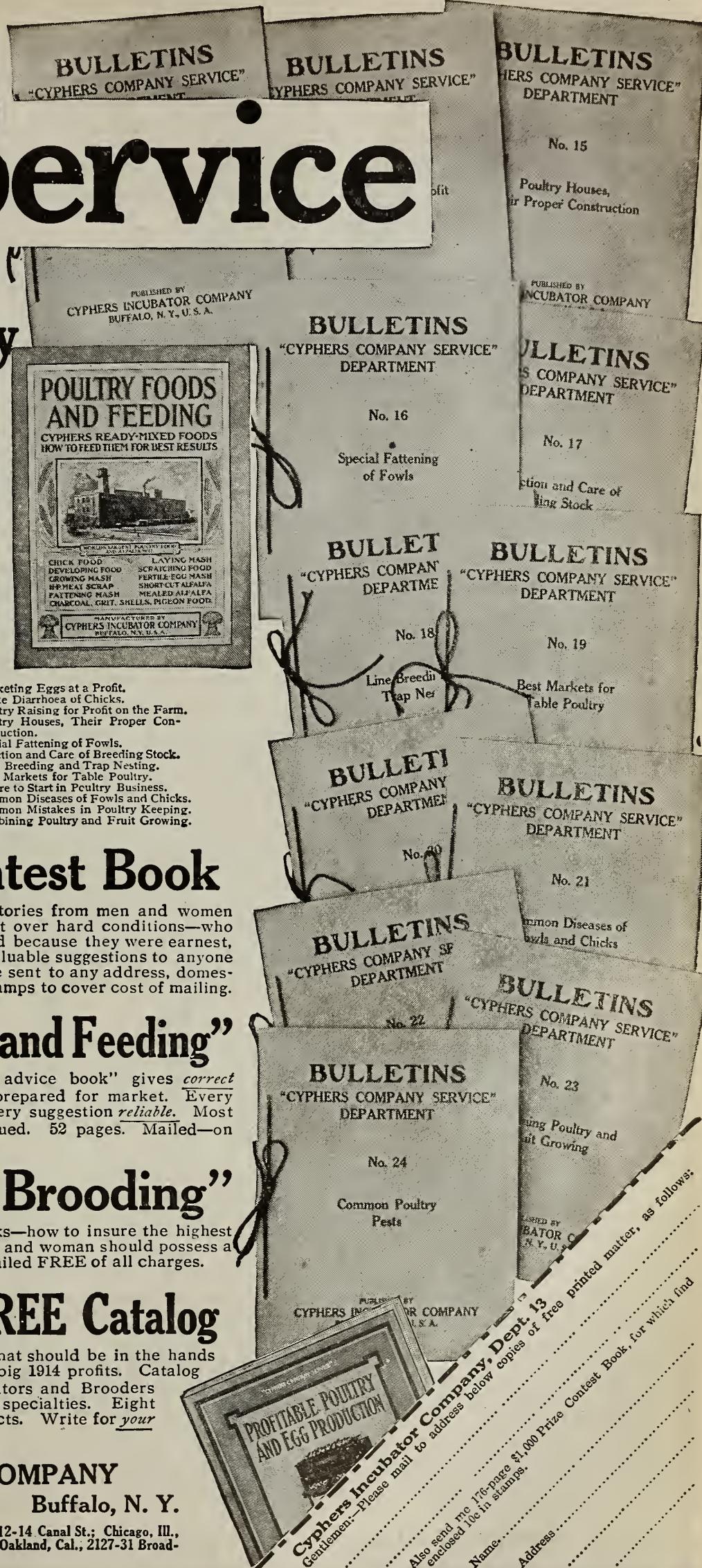
244-pages—the down-to-business poultry book that should be in the hands of every poultry raiser who wants his share of the big 1914 profits. Catalog pictures and describes Standard Cyphers Incubators and Brooders and more than one hundred high-grade poultry specialties. Eight helpful chapters on vitally important poultry subjects. Write for your copy today. Address—

**CYPHERS INCUBATOR COMPANY**

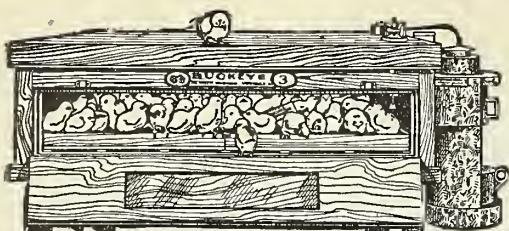
Department 13

Buffalo, N. Y.

Branch Stores: New York, N. Y., 41 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127-31 Broadway; London, England., 121-123 Finsbury Pavement.



Cyphers Incubator Company, Dept. 13  
Gentlemen:—Please mail to address below copies of free printed matter, as follows:  
Also send me 176-page \$1,000 Prize Contest Book, for which find  
enclosed 10c in stamps.  
Name.....  
Address.....



## Anybody Can Hatch Chickens With a BUCKEYE

That statement means exactly what it says. It makes no difference what kind of incubator you have used before, nor whether you have ever used any at all. When you buy a "BUCKEYE," you get absolutely the best there is in incubators. It will give you successful hatches every time. We are so sure about it that every machine we sell, no matter what the size or price, is absolutely

### GUARANTEED

By your dealer and by us

### To Hatch Every Hatchable Egg

Neither your dealer nor we would make such a sweeping guarantee if we did not know that the "BUCKEYE" will do all we claim. Made in five sizes—60-egg to 350-egg capacity. Over 325,000 in successful operation.

We want you to see the "BUCKEYE" before you buy. Let us send you the name of our nearest dealer where you can see the machine in operation. We will also send you our catalog, which tells why more than 1,000 dealers prefer to sell the "BUCKEYE." We are glad to answer any questions—we want to hear from you. Write us today.

THE BUCKEYE INCUBATOR CO.,  
525 Euclid Ave., SPRINGFIELD, OHIO.

Made in 5 sizes and Sold  
As Low As \$10.00

## Our Breeders and Their Birds

By EDW. M. GRAHAM, Knoxville, Tennessee

DeWitt C. Bacon, Guyton, Ga., made excellent winnings at the recent Southern shows on his quality strain of White Leghorns, Buff Orpingtons, White Plymouth Rocks and S. C. Reds. See his ad. on the back cover page.

Read C. M. Williams' ad. in this issue of The Hen. Mr. Williams says he gets better results from The Industrious Hen than any other journal. Well, he should, because The Hen is the best poultry publication in the South.

N. V. Fogg, Mt. Sterling, Ky., breeder of S. C. White Leghorns, informs us that his new mating list is ready for mailing. Mr. Fogg has 800 breeders specially mated for the coming season, and is in position to supply the egg trade. See his ad. and write him.

In order to encourage the breeding of high-grade poultry, Mr. L. H. Reade has made a special offer in his "Blue-Bar" ad. this month. He will sell a limited number of cockerels and trios on the partial payment plan. This plan of easy payment will appeal to those who wish to start a flock of good quality on limited means.

Blue and White Poultry Yards, Bullochville, Ga., of which Mrs. C. A. Bulloch is owner, can supply your wants for the hatching season if you want eggs from quality stock of White or Blue Wyandottes. Mrs. Bulloch has made good winnings on her birds at the various shows this season. Read her ad. in this issue and write her before you buy.

Fred S. Fletcher, of Chattanooga, Tenn., has a message for you in his ad., which you will find in The Hen. Mr. Fletcher is a prominent poultryman of Hamilton county, and it is through the untiring efforts and loyal support of such men as Mr. Fletcher that the success of Chattanooga's recent poultry show was made possible. Read his ad.

J. W. Gillem, manager of Fairview Poultry Yards, Cookeville, Tenn., sends us his winnings as follows: Tennessee State Fair: 1st Tennessee breeding pen; 2nd pen; all States competing, on Barred Rocks. Won on Light Brahmans: 1st cock; 1-2-3-4-5 hen; 1st, 2nd cockerel; 1-2-3-4-5 pullet; 1 pen. On Black Javas: 1-2-3-4 hen; 1st cock. See display ad. in this issue.

Adam Fisher, of Charlotte, N. C., the specialty breeder of S. C. White Leghorns, sends us a list of his winnings at the show held at Ellenboro, N. C., December 4-6, 1913: Six entries, 2nd cock, score 95; 2nd hen, score 96 3-4; 1st pullet, score 96; 2nd pullet, score 95 3-4; 1st pen. These winners show the quality of Mr. Fisher's birds. You will find his ad. in The Hen.

A. S. Harrill, proprietor of Sandy Run Poultry Yards, Ellenboro, N. C., made some good winnings at the recent Charlotte show. He won as follows: White Wyandottes, 1-2-3-4-5 cock; 1-2-3 hen; 1-4-5 cockerel; 3-4-5 pullet. Partridge Wyandottes, 1-2-5 cock; 1-2-3 hen; 1-2-3-5 cockerel; 2-3 pullet. You will find Mr. Harrill's ad. in this issue of The Hen. Look it up right now.

Elsewhere in this issue you will find the ad. of Monte Vista Poultry Yards, Greenville, S. C. The proprietor, C. H. Yates, is one of South Carolina's progressive fanciers. His winnings at the Atlanta, 1912, show, on S. C. White Leghorn Bantams were: 1st cock; 1st and 2nd hen; 1st and 2nd pullet; 1st cockerel. Mr. Yates also breeds White Wyandottes. See his ad. before you buy.

Garvey McKee, proprietor of McKee's Orpington Yards, Watertown, Tenn., informs us that he won first pen on Blue Orpingtons at Madison Square Garden show, New York, in competition with birds from England and Canada, as well as the United States. This is a winning that any one would feel proud of, and shows the quality of Mr. McKee's stock. See his ad. elsewhere in this issue.

H. L. D. Hughes, Danville, Ga., made twelve entries at the Atlanta show and won nine firsts and three seconds. He made a clean sweep on White Runner Ducks—1st pen; 1st, 2nd cock; 1st and 2nd hen; 1st cockerel; 1st pullet. Buff Orpington Ducks, 2nd pen. On R. I. Whites, 1st cock; 1st hen; 1st cockerel; 1st pullet. If you want quality stock, read his ad. on the second cover page before you purchase.

"Wynoke" strain of Buff Plymouth Rocks came to the front with a rush at the Chattanooga show, winning 1st hen; 1st, 2nd cock; 2nd cockerel; 3rd, 4th pullets; 2nd, 3rd, pen. E. W. Forstner, proprietor of the Wynoke Poultry Yards, Fairmount, Tenn., breeder of the "Wynoke" Rocks, stated that this win was especially gratifying, inasmuch as it places the stamp of superb show-room quality on his great egg-laying strain of Buffs.

T. L. Little, Camden, S. C., the White Wyandotte breeder, has been getting his share of good winnings this season, as is evidenced by the following: Columbia, S. C., 1-4 cock; 5 hen; 2-3-4 cockerel; 1st pullet; 2nd pen. At Camden, S. C., 1-2 cock; 1-2-3 hen; 1-2 cockerel; 1-2 pullet. See Mr. Little's ad. in this issue. He is a fancier of many years practical experience and has the kind of stock that will give the purchaser satisfaction.

J. R. Moore & Sons, Shelby, N. C., breeders of Barred Rocks exclusively, have made the following winnings this season: At Shelby, N. C., November, 1913: 1st and 2nd cock; 1st cockerel; 1st hen; 1st and 2nd pullet; 1st and 4th pen; 1st pen mated to produce exhibition cockerels; 1st, 2nd and 3rd cockerel-bred hen; 1st, 2nd, 3rd and 4th cockerel-bred pullet; 1st pullet-bred cockerel; Two \$25.00 silver loving cups for best cock, cockerel, hen and pullet; a

# Dixie Poultry Yards

S. C. Rhode Island Reds and White Leghorns. Winners at Tennessee State Fair, Nashville. S. C. Rhode Island Reds, 1st cock. S. C. White Leghorns, 1st cockerel; 1st hen; 2d pen, and grand silver medal offered by the American Poultry Association for the best cockerel in the Mediterranean classes. Eggs from our exhibition pens, \$2.00, \$3.00 and \$5.00 per sitting. Free range utility stock, \$1.00 per sitting, or \$5.00 per hundred eggs. We are prepared to fill orders promptly, large or small, and guarantee every transaction. Write us for prices on stock.

L. P. HUDDLESTON, Mgr. :: STEVENSON, ALA.

## McKEE'S White and Blue ORPINGTONS

Winners in keen competition. When in search of the best, just send McKee your name and address. He has searched the old world and the new, trying to find what breed best would do, and he will please you, with Orpingtons, both White and Blue, and Mammoth Bronze turkeys too. White Orpington eggs, \$3.00, \$5.00 and \$10.00 per 15. Blue Orpington eggs, \$10.00 and \$45.00 per 15. Turkeys, \$12.00 and \$15.00 a trio; \$18.00 and \$20.00 a pen. Write your wants to

McKEE'S ORPINGTON YARDS GARVEY MCKEE, WATERTOWN, TENN.  
Prop. Box I. H.



and calendar of fine, pure-bred poultry for 1914. This book contains many pages of poultry facts. 70 different varieties, some shown in natural colors. All illustrated and described, tells how to make hens lay, raise and care for them, all about the famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

B. H. GREIDER, Box 129, RHEEMS, PA.

**Smith Sealed.**  
Prices postpaid  
-12.30c; 25.50c;  
60, \$1.00, 100  
\$1.50; 500,  
\$6.50; 1000, \$12.50. **SAMPLES** 500, \$2.75; 1000, \$5.25.  
**FREE**  
Write postal or order  
now. Satisfaction  
guaranteed. Address  
THE KEYES-DAVIS  
CO., Inc., Dept. 520  
Battle Creek, Michigan

**LEG  
BANDS**  
Leader Adjustable. Prices  
postpaid: 12.15c;  
25, 25c; 50, 40c;  
100, 65c; 250, \$1.50;  
500, \$2.75; 1000, \$5.25.

**24**

handsome silk badge for champion cockerel; three specials out of a possible four, for best shape and color. At Atlanta, Ga., December, 1913: 1st cock; 1st cockerel; 1st and 3rd hen; 2nd pullet; 2nd exhibition pen; 1st pullet-bred cockerel; 1st, 2nd, 3rd and 4th cockerel-bred pullet. At Charlotte, N. C., December, 1913: 1st and 2nd cock; 1st and 3rd cockerel; 2nd and 4th hen; 2nd, 3rd and 4th pullet; 1st exhibition pen; and a \$25.00 silver loving cup for best cock-bird in the show, all varieties competing. This progressive firm believes in using printer's ink, and you will find their ad. in this issue.

Jas. R. Brown, of Wytheville, Va., the Black Langshan specialist, reports his winnings this season as follows: Atlanta—three entries; won 1st hen, 1st cockerel and 4th pullet. At Morristown—two entries; won 1st cock and sweepstakes hen. At Washington, D. C.—two hens entered, won 1st and 2nd hens. Mr. Brown surely has birds of quality in order to make these exceptional winnings.

S. B. Dillard, Spartanburg, S. C., breeder of Buff Rocks, has made the following winnings so far this season: Spartanburg, 2nd cock; 2nd cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 3rd, 4th pullet; 1st, 3rd pen; 1st display; special loving cup for best display. Augusta, Ga.: 4th cock; 3rd, 4th, 5th hen; Statesville, N. C.: 3rd, 4th cock; 4th, 5th cockerel; 1st, 3rd, 4th hen; 3rd pullet; Atlanta, Ga.: 3rd hen; 4th cockerel; 3rd, 4th pullet. See his ad. in The Hen.

Mrs. A. S. Gorrell, of Morristown, Tenn., informs us of the following winnings at the Morristown show held December, 1913: Royal White Cornish Games, 1-2 cockerel; 1-2 pullet; 1-2 hen; 1st cock; 1st pen. Ringlet Barred Rocks; 1-2 cockerel; 2-4 pullet. White I. R. Ducks, 1st pair; 1st drake. White Cornish Games won special for best pen exhibited by lady, all birds competing; special for largest bird in show. White Cornish Game cock, weight 10½ lbs. See her ad. in this issue.

J. R. Flanigan, Route No. 4, Macon, Ga., owner of Standard Poultry Yards, the home of fancy line-bred Dark Cornish Games, sends us his winnings as follows: Augusta, October, 1913 1-2-3-4-5 cock; 1-4-5 hen; 1-3-4-5 cockerel; 1-2-3-4-5 pullet; 2nd and 3rd pen and sweepstakes for best male bird in show. At Columbus, November, 1913, 1st cock; 1st, 2nd hen; 1st, 2nd, 3rd, 4th cockerel; 1st, 2nd, 3rd, 4th pullet; 1st and 2nd pen. See his ad. in this issue of The Hen.

One of the fixtures in the poultry world is the Densmore Poultry Farm, Route No. 3, Roanoke, Va. They are specialty breeders of S. C. White Leghorns. At the recent Atlanta show they won 1st cockerel and 3rd hen. At Charlotte, N. C., 1st cock; 1st cockerel; 1st hen; 1st pen; 4th, 5th pullet and sweepstakes for best cockerel in the show. If you want birds of quality it will pay you to write the Densmore Poultry Farm before placing your order. Read their ad. in The Hen.

C. W. Anderson, Spartanburg, S. C., one of the live wires in the poultry world, furnishes us with a list of his winnings as follows: Spartanburg, on White Wyandottes, 2nd cock; 1st cockerel; 1st, 4th, 5th hen; 2nd pen; S. C. White Leghorns: 2nd cock; 5th cockerel; 2nd, 5th hen; 4th pullet; 2nd pen. Buff Orpington Ducks: 1st cock; 1st cockerel; 1st, 2nd hen; 1st, 2nd pullet; 1st pen. At Statesville, N. C., on White Wyandottes: 1st cock; 1st cockerel; 2nd, 4th hen. At Atlanta, Ga., on Buff Orpington Ducks: 1st cockerel; 1st hen; on two entries. On Buff Orpingtons at Shelby, N. C.: 1st cockerel. Read Mr. Anderson's ad. in this issue.

Chiles & Co., Mt. Sterling, Ky., have made some fine winnings this season, among which are the following: St. Louis, Mo., Buff Orpingtons, 4-5 hen; 2-3 pullet; 3rd cockerel; 1st young pen; 1st old pen; Blue Orpingtons, 1-2

## CHAMBERLAIN'S SETTING HEN THE BABY INCUBATOR

**\$5.75**

INCUBATOR AND  
BROODER

Freight Paid To Your  
R. R. Station

HOLDS 26 EGGS

A Complete Incubator  
EASY TO OPERATE

You can always get  
fresh eggs enough to  
fill it.

TRADE MARK



**\$5.75**

INCUBATOR AND  
BROODER

Always Ready to Set

EQUALS TWO HENS

Always Ready to Set

Never leaves her  
nest. No lice. No  
broken eggs.

## Chamberlain's Perfect Chick Feed

HAS NO EQUAL—NO CORN—NO BOWEL TROUBLE

The Only Original Dry Chick Feed and the World's Standard

"Lady Showyou," winner of the National Egglaying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 in a year and recently sold for \$800, was raised on Chamberlain's Perfect Chick Feed.

We have agents all over the U. S., but if our agent is not near you we will deliver 100 lbs. sack freight paid to your railroad station for \$3.

**W. F. Chamberlain Feed & Incubator Co.**

107 Olive Street

Desk A

ST. LOUIS, MO.

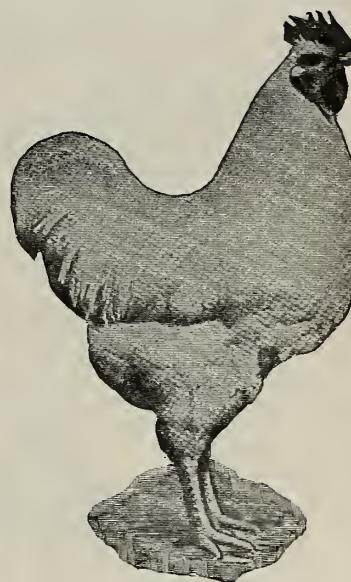
hen; 1-2 pullet; 1st young pen. Buff Orpington Ducks, 1st duck; 3rd drake. White Runners, 1st duck; 1st drake. Despite the fact that their birds reached the Cincinnati show in bad condition, they won on Buffs, 1st, 4th pullet; 4th hen; 5th old pen; 5th young pen. White Runner Ducks, 3rd drake; 4th, 5th duck. Buff Orpington Ducks, 1st duck; 1st drake. See Chiles & Co.'s ad. on the fourth cover page.

In this issue of The Hen you will find the display ad. of Jno. Low Smith, 241 Peters St., Atlanta, Ga., breeder of Buff Rocks, Buff Leghorns, Buff and Black Cochins, Bantams, B. B. Red Game and Red Pyle Game Bantams. Mr. Smith has birds of exceptional quality, and they have won for him many handsome prizes. At Columbus, Ga., last November he won as follows: Buff Leghorns, 1-2 cock; 1-2-3 hen; 1-2 cockerel; 1-2 pullet; 1-2-3-4-5 pen; \$25.00 cup for best display; \$5.00 in gold, and club ribbon for best shaped and colored male; best shaped female. B. B. Red Game Bantams; 1st cock; 3rd hen; 1-2 pullet; 1st cockerel; 1 pen; \$25.00 Game Bantam cup. Buff Cochins Bantams: 1st cock; 1st cockerel; 1-2 pullet; 2-3 hen; 1 pen; \$25.00 cup best ornamental pen. Buff Rocks: 1st hen; 1st pullet; 1 pen; \$25.00 cup best Buff Rock pen. Read his ad. before buying either eggs or stock.

J. H. Petherbridge, of Mt. Airy, Philadelphia, whose monthly letters in the Industrious Hen, the past year, we feel sure have been enjoyed and appreciated by our readers for their timeliness and instructive value, is also the manufacturer of a wonderfully efficient antiseptic dressing known as Germifugue, that in actual use is proving to be of great value to poultrymen. Mr. Petherbridge tells us that he has manufactured Germifugue (under another trade name) for over twenty years as an antiseptic dressing for use in the offices of physicians, surgeons and nose and throat specialists and his knowledge of its wonderful curative value in dressing cuts, burns, ulcers and the mucus membrane of the head and throat gave him the idea of offering it as a general utility poultry remedy. Mr. Petherbridge offers to send a 25 cent tin on approval, to all those who prefer to try before they buy.

Wm. Cook & Sons, originators of all the Orpingtons, Scotch Plains, New Jersey, have recently won the following prizes (We have already reported some of their winnings at the earlier shows). At Buffalo, New York, one of the best and largest shows in the country, they won in White Orpingtons 1st and 2nd cockerel; 1st cock; 1st pullet; 2nd hen; 2nd pen. In Buff Orpingtons, 1st cockerel; 1st pen; 1st pullet; 3rd cock. In Black Orpingtons, 1st

## CHAMPION White Plymouth Rocks



1st Prize Cockerel—3rd Prize Cock

At Madison Square Garden, New York, 1912-13

This winning stamps our flock as one of the best in the world, and the undisputed Champions of 1912-1913.

At Chattanooga, one of the South's greatest shows held Dec. 16-21, 1912 we won every ribbon offered, all specials, and the following sweepstakes prizes, \$35 cup for largest number of prize winning birds, and the special for the best display in the whole show. Our S. C. White Leghorns are

**BRED-TO-LAY**

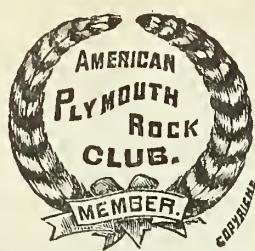
and they do lay. They are famous the country over for their great laying qualities. There are one thousand acres of land in the Shepherd Poultry Farm and the two breeds are kept strictly separated. Write for mating list. Correspondence solicited. Address

**Shepherd Poultry Farm**

Quintus Shepherd, Prop.

**SHEPHERD, TENN.**

THE SOUTH'S GREATEST POULTRY FARM



# WYNNEWOOD HOME OF THE ROYAL BIRDS Imperial Ringlet Barred Plymouth ROCKS

Direct from E. B. Thompson. Royal White Cornish Games, Single Comb White, Leghorns, White African Guineas, Snow-White Indian Runner Ducks. The grand show qualities of my stock have been well established; have never failed to get the majority of firsts wherever shown. At the American Cornish Club meet, Warrenton, Va., on White Cornish Games, I won the C. C. Manners cup for best male and female old or young. I can please you in birds and prices. Eggs for hatching a specialty. Correspondence solicited.



MRS. A. S. GORRELL, MORRISTOWN, TENNESSEE

## Baker & Miller ORPINGTONS Kellerstrass Crystal Whites

Our Birds win, lay, pay and stay white. Enter egg orders now. A few choice Cockerels for sale. BAKER & MILLER, Box 733, Knoxville, Tenn.



### Chicken Thieves

will not create as much loss in your poultry yards as a horde of lice left to work undisturbed. O. K. your Profits by getting rid of these robbers. It's easy with the Old Reliable LAMBERT'S "Death to Lice" used by successful breeders for over 30 years. Lambert's will not harm eggs, hens or chicks and is sure death to lice. Price 10, 25, 50 and \$1. Write for FREE copy of "Pocketbook of Pointers" by D. J. Lambert.

O. K. STOCK FOOD CO.  
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## "Here is the Answer; in WEBSTER'S NEW INTERNATIONAL

### THE MERRIAM WEBSTER

Every day in your talk and reading, at home, on the street car, in the office, shop and school you likely question the meaning of some new word. A friend asks: "What makes mortar harden?" You seek the location of *Loch Katrine* or the pronunciation of *jujutsu*. What is *white coal*? This New Creation answers all kinds of questions in Language, History, Biography, Fiction, Foreign Words, Trades, Arts and Sciences, with final authority.

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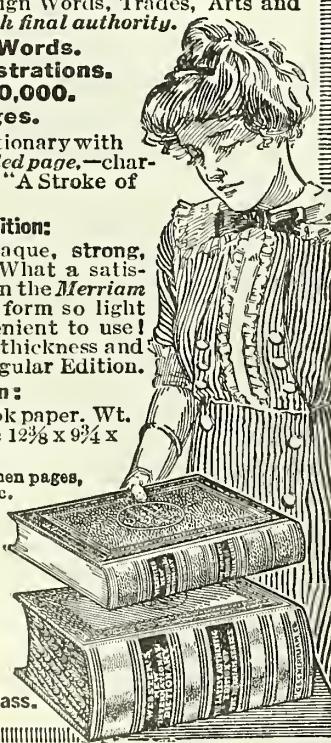
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The Industrious Hen, Three Years  
Only One Dollar.

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## Brown LEGHORNS

"OLD TIME  
FAVORITES"  
STOCK for SALE  
Ask Questions

J. H. HENDERSON

Knoxville, Tenn.

Breeder of Brown Leghorns Since 1890

selves and Mrs. L. P. Eberhardt; these birds winning 76 points as against 70 points for all their competitors combined. Mr. E. S. Aldrich brought down a nice string of birds, but seeing that Mrs. Eberhardt had entered two pens, he withdrew his entries and did not show pens, but Mrs. Eberhardt won 1st and 2nd pens. In addition to this, the birds shown by Aldrich Poultry Farm won 1st pullet, 2nd cock, 3rd, 4th hen; 3rd, 4th cockerel; while Mrs. Eberhardt won 1st hen, 2nd, 3rd pullet. This was a great win, as there were 18 pens and a class of 149, the largest class of White Orpingtons shown, so far, this season. Many large orders were booked at this great Atlanta Show by the Aldrich Poultry Farm. Besides the above splendid winnings, Aldrich Orpingtons also won at Cleveland, Cincinnati, St. Louis, Albany, and other leading shows throughout the country. Look up their ad. in The Hen.

### DUN ROBBIN POULTRY FARM.

Dun Robbin Poultry Farm, Iuka, Miss., is one of the largest and most modernly equipped poultry farms in the South.

It was my pleasure to visit this ideal poultry plant, where are produced high-class exhibition birds and winners wherever shown. The White Plymouth Rock is bred and reared exclusively on this farm.

Mr. W. J. Brinkley, owner of Dun Robbin Poultry Farm, is a man of great ambition, honor and integrity, and has spared no labor nor expense in perfecting this one variety of White Plymouth Rocks. The farm is located at Iuka, Miss., a beautiful little village on the Southern Railway, and noted for its great mineral springs. This farm has an ideal location—just on the edge of town—and consists of 80 acres well-drained, with plenty of shade and grass. A large gushing spring supplies the entire plant with fresh, cold water. No wonder Mr. Brinkley can breed such fine exhibition birds.

The equipment of Dun Robbin Farm is complete in every particular, and includes a number of brooder houses, incubator cellars, colony houses, etc., all of which are modern and well arranged. Mr. Brinkley resides in a beautiful mansion, of the old Colonial style, with all modern conveniences. In fact, everything on his place is up-to-date.

Brinkley's White Rocks are as good as can be produced, winning in 1913 at many of the leading shows, and as a result a large number of sales were made by him last year.

With his two able assistants, Mr. Henry Little business manager, and Dr. J. H. Sledd, superintendent, we predict a most successful year in 1914 for Mr. Brinkley. He has stock and eggs for sale. Read his ad. in this number.—Goodlin.

### O. B. ANDREWS AND HIS BIRDS.

While attending the poultry show at Chattanooga, Tenn., last month, we had the pleasure of meeting Mr. O. B. Andrews, of that city, one of the most enthusiastic and successful breeders in the South of Barred Plymouth Rocks and Single Comb White Leghorns. He breeds nothing but high-class stock, which has been clearly demonstrated by his great show records last season, he having made great winnings at Atlanta, Chattanooga, Knoxville and other leading Southern shows. Mr. Andrews won the sweepstakes prize, a \$50.00 silver cup, at Chattanooga for the best pen in the entire show, all varieties compet-

cock; 1st pullet; 1st hen; 2nd cockerel; 1st pen; First Blue Orpington pen; first Diamond Jubilee Orpington pen. Cup for best display in each class and best display of Orpingtons. At Atlanta, Ga., they won in White Orpingtons, 1st cockerel; 1st cock; 3rd pen. In Black Orpingtons, 1st cockerel; 1st cock. In Buff Orpingtons, 1st cock; 2nd cockerel; 3rd hen. At Troy, Ala., they won in White Orpingtons, 1st and 3rd cockerel; 1st cock; 1st pen; 1st hen; 1st pullet. In Buff Orpingtons, 1st cock; 1st pen; 1st hen; 1st pullet; 2nd cockerel; 1st Blue Orpington pen; 1st Diamond Jubilee Orpingtons pen. Cups for best display. At Cincinnati, they won in Black Orpingtons, 1st cockerel; 1st pullet; 2nd pen. hen and cock; 1st and 3rd White Orpington cockerel; 1st Buff Orpington cock; 2nd cockerel; 1st Blue Orpington pen; 1st Diamond Jubilee Orpington pen. At New Haven, Conn., they won 1st White Orpington cockerel, cock, pullet; 2nd hen; 1st Black Orpington cockerel, cock, pullet; 3rd hen; 1st Buff Orpington cockerel. Mr. P. A. Cook believes in taking his Orpingtons around the country, so that people can see what he has. Different teams of birds are exhibited at each show, no bird being shown twice. They are mated up as soon as they get back. This insures fertile eggs. The report from Wm. Cook & Sons is that the Orpington business is better than ever, that there is a big demand for their new Orpington, the Blue, and that The Industrious Hen is doing good work for them.

### MR. SPAUGH'S GOOD WINNINGS.

C. E. Spaugh, of Rugby, Ind., has just furnished us with a list of his winnings on Barred Rocks at the American Fanciers' Association, Cincinnati, Ohio, December 1-7. Here they are: Won 1st cock; 1st, 2nd and 3rd hen; 1st, 2nd, 3rd and 4th cockerel; 1st and 4th pullet; 1st, 4th and 5th cockerel bred hen; 1st, 4th and 5th cockerel bred pullet; 3rd pullet bred cock; 1st pullet bred cockerel. Won 1st Exhibition pen; 1st cockerel mated pen, young; 2nd cockerel mated pen, old; 1st pullet mated pen, young; 1st pullet mated pen, old; Silver cup for best display. Won \$5 in gold for champion cockerel in Barred Rock class; won specials for most points in cockerel and pullet bred classes. See his ad. on the back cover page.

### ALDRICH POULTRY FARM.

One of the greatest attractions of the Southern International Show at Atlanta, Ga., December, 1913, was the beautiful display by Aldrich Poultry Farm, Columbus, Ohio, of their special pen, headed by "Quality King," first cockerel at Madison Square Garden, December, 1911, and said to be the finest Orpington now living, valued at \$1000.00. This pen was handsomely decorated with variegated colors and medals galore, which befit the dignity of the inmates, and was very much admired by all visitors.

The Aldrich strain of White Orpingtons made a great win on birds shown by them-





## Barred ROCKS White

"Ringlet" Barred and White Plymouth Rock eggs, also White Indian Runner Duck eggs (pure white egg strain) 15 for \$2.00; 30 for \$3.00. Can furnish both pullet mated and cockerel mated Barred Rock eggs. Satisfaction guaranteed.

P. A. GEORGE :: HOHENWALD, TENNESSEE

## WHITE HOUSE STRAIN

Trap nested S. C. White Leghorns. Every bird trap nested and daily records kept. Cockerels, hatching eggs and day old chicks. Limited settings of Campine eggs. Illustrated catalogue upon request.

WHITE HOUSE POULTRY FARMS, A. Piez & Son, Box 220, Hammonton, N. J.

## S. C. WHITE LEGHORN BANTAMS

On account of press of other business we are offering our entire flock of WHITE LEGHORN BANTAMS at just one half of regular prices. We own the finest lot of these little birds in America.

MONTE VISTA POULTRY YARDS :: GREENVILLE, S. C.

## WRIGHT'S White ROCKS

Have won their share of ribbons and cups at the leading shows in this section for the past three years. If you want White Rocks of quality I can satisfy you. Eggs and stock for sale.

PAUL A. WRIGHT :: 653 Glenn Street :: ATLANTA, GEORGIA

## S. C. BUFF ORPINGTONS

Make a clean sweep of all FIRST PRIZES at Indianapolis and Nashville, September, 1913. We won three times as many FIRST PRIZES at Pittsburg, Cincinnati, Columbus, O., New Orleans, Atlanta, Nashville, and three times at Indianapolis as all others combined. Exhibition birds a specialty. Breeders at right prices.

BRUCE & ABBOTT, Box 22, WHITELAND, INDIANA

## Buckeyes and Buff Cochin Bantams

Stock and eggs for sale. From the very best exhibition matings. Pedigreed collie dogs. Everything guaranteed as represented.

MRS. H. P. HINTON :: IRVING, TEXAS

## Abbott's White Plymouth Rocks

Are among the best. At Atlanta S. I. P. A. show, I won second cockerel, fifth cock, two males entered. Eggs, prize matings, 15, \$3.00; 30, \$5.00; utility 15, \$1.50; 30, \$2.50. Two good pens Buff Leghorns, eggs 15, \$1.25; 30, \$2.25. All charges paid. Some fine Rock cockerels, \$3.00 to \$5.00. Satisfaction guaranteed. Mating list free. C. E. ABBOTT, Warrenton, Ga.

## S. C. BUFF LEGHORNS

At Chicago on two entries I won 1st cock and 3rd cockerel, after practically sweeping the boards at Nashville and Augusta, the leading Buff shows of the South. I have for sale 300 females and 40 selected males at prices that will surprise you. Ask for catalogue describing matings. Eggs \$1.00 to \$5.00 per 15. Colony matings, \$5.00 per 100.

DR. E. S. LANDESS :: FAYETTEVILLE, TENNESSEE



CONKEY SAYS—Don't be "Too Late!" You have seen your fine birds moping, sneezing, coughing, with heads swollen and eyes watering. You have seen them fight for breath and die. That's R-O-U-P. It's humane to relieve them—it's dollars saved to cure them.

Conkey's Roup Remedy does the work. 25c, 50c and \$1.00 sizes. Sent anywhere prepaid if your dealer does not have it in stock. Easily given in the drinking water, so that the fowls take their own medicine. A fine preventive also.

Always treat colds and roup

promptly, or you may lose your whole flock. Don't wait; don't be "Too Late."

Send dealer's name and 4 cents and we will send you a copy of Conkey's 80 page Poultry Book.

THE G. E. CONKEY CO., CLEVELAND, OHIO

## INFERTILE EGGS

Very often many breeders will find the eggs from their birds are not hatching well. This is brought about from various troubles. Sometimes the male bird does not take kindly or mate with the hens in the breeding pen. This, of course, would bring about the trouble, but in most cases I find that it is caused from long spurs on the male birds. Often these spurs interfere with the mating of the male with the females. They will often stick in the females' backs and frighten them. This should be looked after and no one should allow the spurs on any male bird to become long or sharp. They can be sawed off easily, and a small hack saw, which can be had for 25 cents, will last for years and will answer for the purpose. Before using the saw it should be run through a piece of soap or greased thoroughly with vaseline to keep the saw from pulling when you saw through the quick. Any one keeping chickens cannot afford to be without one of these saws.

Another thing that causes many infertile eggs is overfat hens. Chickens that are confined should be made to take exercise, and should be fed their grain food in a scratch pen or litter of some kind to make them take exercise, as exercise is the life of both old and young chickens, and will do as much towards making the eggs fertile and producing a large number of them as proper feeding will.

Chickens that are infested with insects will also produce a large number of infertile eggs. Your birds should be examined closely at this season of the year, and if they have any insects on them get them off. With the many simple remedies that are now offered on the market for this work there is no excuse for any one having insects on their fowls. As soon as warm weather comes they will multiply rapidly and will cause a lot of trouble unless you start to fight them early in the season. The eggs will hatch much better and give you stronger chickens and a larger percentage of them be fertile if you keep your fowls rid of insects, and look after the male birds as suggested above. These are little details that many do not think about, but will mean much to you in helping secure good hatches.

You should watch the males that have been mated with the pens and see that they are vigorous and in the best of health before too much time is wasted in finding out that they are not fertilizing the eggs. A close observer at feeding time can usually notice the males and tell if they are





## White WYANDOTTES--White PLYMOUTH ROCKS NONE BETTER IN THE SOUTH

WON at AUGUSTA, GEORGIA, NOVEMBER 7th to 14th, 1913

WHITE WYANDOTTES—3d cock; 1st cockerel; 1st hen; 1st pullet; 1st pen.

WHITE PLYMOUTH ROCKS—1st, 2d cock; 2d, 3d cockerel; 1st, 2d pullet; 2d, 3d hen; 1st, 3d pen.

WON at COLUMBUS, GEORGIA, NOVEMBER 17th to 24th, 1913

WHITE WYANDOTTES—1st, 2d, 3d cock; 1st, 2d cockerel; 1st, 3d, 4th hen; 1st, 3d, 4th pullet; 1st, 2d pen.

WHITE PLYMOUTH ROCKS—1st cock; 1st cockerel; 1st, 2d, 4th hen; 1st, 3d pullet; 1st, 5th pen.

Sweepstakes: For best cock bird and best cockerel in show. A few young birds and eggs from grand breeding pens for sale.

E. E. MACK

:-:-:-

THOMASVILLE, GEORGIA

kind to the females and are mating with them properly.

If the eggs are not hatching well it is a good idea to break a few eggs and see if they are fertile. The fertility of eggs can be distinguished easily by the germ on the yolk of the egg. After it is broken you can tell if it is fertile by the little spot that you can easily distinguish on the yolk. It is better to lose a few eggs and know that your eggs are fertile than it is to set a lot of eggs and wait three weeks to find out about this matter.

There is another great trouble with many eggs at this season, which is causing many bad hatches. The hens when they are not supplied properly with lime and oyster shell, lay eggs with thin spots on the shells or imperfectly formed shells and eggs of this kind will not, as a rule, hatch well. Such eggs can be easily distinguished with a tester, or by holding before a strong light in a dark room. It is useless to set such eggs as they will not hatch, even though they start to germinate. A large percentage of them will die in the course of incubation. Much time is often lost by breeders not paying attention to these little details and many do not know the reason why their eggs are not hatching well. There is always a cause for it, and when you find you are not getting good hatches look for the cause and remove it. The quicker the better.—Loring Brown, in Atlanta Journal.

### OLD HEN MOTHERS SIX BABY TURTLES

An original plan of hatching turtles has been proved a success by William Sills of Evansville, Ind., who set an old hen on six turtle eggs. The mother hen is just as proud of her brood as

## FAIR VIEW POULTRY YARDS J. W. Cillem Breeders and Exhibitors

Barred Rocks, Partridge Wyandottes, Light Brahmans, Black Breasted Red Game Bantams, True Fawn and White Runners, Bourbon Red Turkeys. Over 400 Premiums 1911-12-13, at Tenn. State Fair, Rome, Monterey, Atlanta, Augusta, Cookeville, Knoxville. Eggs and stock reasonable. Satisfaction guaranteed. Write for catalogue C. For quick sale 6 hens, 1 cock Black Javas, winners at Tenn. State Fair 1913, \$15.00.

FAIR VIEW POULTRY YARDS, Route 2, Box C-1, COOKEVILLE, TENN.

## NEVIN POULTRY FARM

Breeders of pure-bred poultry for 20 years. Bred for heavy laying as well as exhibition qualities. We have S. C. Brown and White Leghorns, S. C. Rhode Island Reds, S. C. Black Minorcas, Cornish, Houdans, Barred Plymouth Rocks, White Wyandottes, Light Brahmans, White and Buff Cochon Bantams, White Guineas, Fawn and White and White Indian Runner Ducks, Pekin Ducks. Reasonable prices for stock of quality. Eggs, \$2.00 per sitting.

WARDIN BROS. :-: ROUTE 7 :-: CHARLOTTE, N. C.

## EXHIBITION SINGLE COMB WHITE LEGHORNS

WHITE WYANDOTTES. Their show record talks. Eggs from 1st and 2nd pens. Leghorns, \$2.00 and \$3.00 per 15. Wyandottes, \$5.00 per 15.

C. W. ANDERSON :-: H. 72 :-: SPARTANBURG, S. C.

if they were not adopted and will fight to protect them.

At first the hen was alarmed when her little ones began to swim around in a tub, but she is somewhat used to it now.

The turtles have grown and stay in the water most of the day. Sills has a concrete basin in his back yard with about one foot of water. The hen still acts unfriendly to any intruder and sometimes endangers her own life by trying to get into the water with the turtles. But when night comes the turtles are taken from the basin and they crawl to the old hen, which hovers them.

Lightning and thunder bring them under the protection of her wing, but on rainy days all mother love is lost

and they seek the out of doors.—Cincinnati Weekly Gazette.

The largest single-unit chicken hatchery in the world is in the South, at Port O'Connor, Tex. Mr. Milo B. Hastings has established a 1,000,000-egg incubating plant. It accommodates 150,000 eggs at one time or 1,000,000 eggs during the hatching season. The Binn hatchery at Petaluma, Cal., exceeds it in capacity by 15,000 eggs, but the Binn plant consists of many unit incubators and is not a single incubator, as is that of Mr. Hastings.

Dampness in the hen house is a serious proposition at this time of the year especially, and is one of the surest means of promoting diseases.

CONKEY SAYS—Your fowls will look better, act better, do better in every way during the long winter months if you sprinkle a little of Conkey's Laying Tonic in the mash feed once a day.

It is a conditioner and tonic that improves the ration and turns the high priced feed to egg production. WINTER

EGGS bring the big profits.

We also recommend this for use with breeding stock, to improve fertility. For sale by all poultry supply dealers on plain guarantee. Your Money Back if Not Satisfied in Every Way. 25c, 50c and \$1.00 sizes. Pails, \$1.60 and \$3.00. Sample mailed for 4 cents postage.

If not handled by your dealer, send his name and your order for any size above \$1.00, and we will prepay transportation east of Kansas City.

THE G. E. CONKEY CO.,  
CLEVELAND, OHIO



# The BEST in DUCKS

The very best Imported Pencilled Indian Runners. A limited number of eggs for sale at honest prices. Bred to lay. Single Comb White Leghorns and Single Comb Buff Orpingtons.

CLAYTON I. BALLARD

:-:-:-:-:-

WHITE PINE, TENNESSEE

## "GIANT" STRAIN Mammoth Bronze TURKEYS

From "Hugo King," the 45 lb. Yearling, Score 97½ Points.

If you wish toms or hens that have enormous bone and frame, fine trimmings, with brilliant bronze plumage; birds that have been bred for years and winners in our hands and customers' hands at Louisville, Cincinnati, Chicago, Boston, Seattle, Atlanta and Indianapolis, our birds will suit you. We are booking orders for early shows now. Fine "Nugget" strain Buff P. Rocks of the finest quality—any number. Write us for prices and catalogue.

J. C. CLIPP   :-: Box 700   :-: SALTILLO, INDIANA

## STANDARD FAWN AND WHITE INDIAN RUNNER DUCKS

WHITE EGG STRAIN—PRICES REASONABLE. Winners at Louisville, Indianapolis, and Cincinnati. Satisfaction guaranteed. Write for mating list. Stock for sale after June 1st. If you want winners write me.

JOSEPH BAKER, Box 1, R. F. D. No. 1, EAGLE STATION, KY.



MAMMOTH  
BRONZE

## TURKEYS FOR SALE

Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. If so, write at once

MRS. J. C. SHOFNER, Route 1, MULBERRY, TENNESSEE



### INDIAN RUNNER DUCKS

The greatest layers on earth; 300 eggs per year. Send 10 cents for beautifully illustrated booklet No. 69 Tells how to raise ducks successfully. WOMAN'S COLLEGE, Meridian, Miss.



## Water Fowls and Turkeys

By Our Special Correspondents

### INDIGESTION IN TURKEYS.

Possibly there is nothing that is more discouraging with the turkey grower than to have a fine lot of turkeys hatched off and all grow off and do fine until you are just ready to place them on the market, then suddenly discover a number sick and possibly one or two dead near the roosting place; droppings yellow, and with some cases green. This is produced by over-eating and is therefore a disease of the digestive organs and the liver. Many people and some professional men pronounce this disease "Black Head". But our observations of this trouble have been that this trouble is nothing more nor less than severe indigestion.

The many letters received recently relative to this trouble with many Southern breeds indicate that this trouble has been produced by heavy feeding for finishing up for the Thanksgiving market, consequently many turkeys have become sick and are now suffering with severe indigestion and is baffling the growers as to what the cause may be. This is nothing more nor less than indigestion and could have been avoided by feeding moderately—only just what the turkey would eat up

quickly. Turkeys should never be fed a great amount at any one time, but a little and often. That turkeys have an unusual craving appetite is hardly expressing the real facts, as turkeys have an appetite more like an ostrich than any fowl I ever saw. They never know when they have eaten enough, hence, you can not feed and risk their judgment about that; you must be your own judge about the amount of food they should have. To feed turkeys for the market they should be fed very cautiously and only a very small amount at a time until they are well on to heavy feeding. After you once get them tempered up to heavy artificial feeding, it is not so apt to injure them, otherwise you will kill more than you fatten. Treatment for these cases is very unsuccessful; it is different from worms. Frequently worms cause bowel trouble, which can be easily cured with turpentine, as per the prescription I have given in these columns frequently, but where the trouble has been brought about by over-feeding or feeding from new corn, it is a very difficult matter to treat the disease with any degree of success. In the early stages of the disease you can easily and quickly produce a cure by giving the following: Hyposulphate of sodium, 3 grains; sulphate of iron, 1 grain; sulphur, 10 grains, and sulphate of quinine 1 grain. This amount should be given each turkey three times daily until the fowl has completely recovered. Many writers claim this disease is contagious and is produced by a micro-parasite, through the droppings, but such is not the case, as it is caused by overeating. It may be that after it reaches a certain stage it can be termed a contagious disease, but I hardly think so. Keep the turkeys from green or new corn and avoid over-feeding just prior to Thanksgiving and I feel sure you will not be troubled so much with this disease.—J. C. Clipp, Saltillo, Ind.

### HOW'S THIS FOR A TURKEY?

An Anniston, Ala., man has a mammoth Bronze turkey with an interesting record. Here it is:

"The gobbler will be five years old in May and weighs around seventy pounds. He has

had a lot of varied experiences and travels, and it's a wonder he has not been slaughtered ere this.

"C. E. Meeks bought him from Mrs. C. J. Schofner, of Mulberry, Tenn., for \$15 when he was eight months old. Herbert Meeks bought him last December for \$25 and sold him for \$50. Mr. Small at Saks store was the winner and sold the old turk back to Herbert Meeks for \$10, who resold him to the White Star Market for \$13.50. The Market shipped him to Birmingham, where he was on exhibition for two weeks and then was shipped back to Gadsden. Chas. Echols was the next puraser, paying \$11, and he reshipped him to Birmingham, where he sold him for \$25. Later Mr. Echols bought the gobbler back for \$15 and shipped him to Gadsden where he brought \$25, Will Huston being the winner.

"Mr. Huston traded the turkey to Abe Saks for \$10, who sent it to his brother, Joe Saks, at Anniston, who is trying to get rid of him; this time the price is \$50."—Times-News, Gadsden, Ala.

### 0 SAVE MONEY ON POULTRY FENCE.

Our readers who have had dealings with the Brown Fence and Wire Co., will be glad that we are giving this additional publicity to a worthy concern and those of you who are not acquainted with the advantages offered by them will be glad of this brief introduction. The Brown Fence and Wire Co. make the famous Double Galvanized Brown Poultry Fence. It costs no more than common chicken netting, lasts many times as long, requires no top or bottom boards and about one-third as many posts. The peculiar and exclusive method of double galvanizing the wires makes Brown Poultry Fence rust-resisting until long after "cheap" fencing is a tangled mass of broken down wires. The heavy top and bottom wires make running boards unnecessary while the extra weight and strength necessitate the use of comparatively few posts. There is no question in our minds as to the quality of the products manufactured by this company. For 32 years Mr. Brown has been in the wire and fence business, and is held in highest regard by all who have ever had dealings with him. The guarantee of quality is the fact that nearly 500,000 farmers are on his books as customers, who have purchased over 25 million rods of fence from him. Our readers who are, or will soon be in the market for fence, will do well to write a postal for the new catalog issued by the Brown folks. In addition to poultry and farm fence of every size and style, they carry a complete line of farm gates, self-raising gates, lawn fence and lawn gates. They sell direct from factory, prepay all the freight wherever you live and guarantee perfect satisfaction in every way. Address them as follows: The Brown Fence & Wire Co., Dept. 37, Cleveland, Ohio, and their latest catalog, containing their lowest prices, freight prepaid, will come to you by return mail.

### 0 SELECTING SEED.

Too much importance cannot be attached to the selection of seed and we counsel the greatest care in the selection, to insure a good crop. Now is the time to go over your catalogs carefully, and when possible obtain the most northern grown seed, rather than use the more common and inferior sorts. We are in receipt of the beautifully illustrated seed catalog of L. L. May & Co., St. Paul, Minnesota. The display of alfalfa; "Pride of Minnesota" Seed Corn and "Scottish Chief Oats" Northern-grown vegetable seed and nursery stock, all new sorts, and other northern grown seeds, is very fine. They will send their catalog free, to any address, for the asking.

## Snowflake White Indian Runner Ducks

MRS. E. E. ESHBACH

:-: 1402 Sturm Avenue

Winner of First Ribbons at Great 1912 Atlanta Show  
Prize Winners Always. Are Heavy Layers of Pure  
White Eggs. Breeding and Young Stock for Sale

INDIANAPOLIS, INDIANA

**MAY'S SEEDS**

Means everything to the planter of the South, Southwest and West. Hardier stock, earlier crops, finer products of superior quality, increased yield.

**NORTHERN GROWN**

**MAY'S GIANT TREE TOMATO**

Remarkable variety growing 10 to 15 feet high, finest tomato grown, very prolific. Packet 10c, 3 for 25c. Write today for 1914 Catalogue of Seeds, Bulbs, Plants and Trees.

**L. L. MAY & CO. ST. PAUL, MINNESOTA**

**FREE**

## A GOOD WORD FOR THE CROW

The case of the crow, condemned a decade or more ago as a destructive bird in agricultural fields, has been reopened by the Department of Agriculture and a more favorable verdict reached. The investigation made by experts of the Biological Survey of the Department shows the crow to be of great value to farmers.

After a careful study of the habits and the examination of a large number of stomachs, the Department experts have reached the conclusion that the crow consumes enough grasshoppers, cut worms, white grubs and other injurious insects to make him highly valuable to farmers. There is, however, one bad habit which the crow has, and that is the destruction of young birds and bird eggs, but this trait is outweighed by the good the bird is doing for the farmer in the destruction of worms and insects.

The one danger from the crow, according to Department experts, lies in large numbers. If the number can be kept down so that its normal food is sufficient, there is every reason why farmers should encourage the bird to remain about their farms. Not long ago an agent of the Department was watching a crow feeding in a corn field. It seemed that the bird was pulling up young corn and carrying it to a nearby nest to feed its young. After the crow had left the nest the agent climbed the tree and secured the young birds. An examination showed that instead of young corn or the kernel of the corn, the older bird had been feeding the young ones with cut-worms gathered from around the corn plants.

Crows are notoriously clannish birds and except during a few weeks at nesting time are usually seen in flocks. Moreover, even while nesting they are more or less gregarious for, although two nests are seldom built in the same tree, yet half a dozen pairs often build within easy hearing distance of each other, and if one is disturbed all are likely to unite for common protection or protest. When the young are able to fly the parents accompany them, forming little family parties of six or eight, and these soon associate with similar parties. They commonly travel in flocks and often congregate in large numbers, but only during

# ALDRICH ORPINGTONS

WHITE

If you wish to breed the most popular breed of chickens, and birds that lay the most eggs in winter, you will make no mistake by taking up the WHITE ORPINGTON. If you wish the best foundation stock to be obtained, or the very highest class of eggs, at reasonable prices, we can supply them, as our strain is winning for our customers and ourselves in all of America's largest shows. Send for our 56 page catalogue, which gives you all information in regard to this wonderful breed. Eggs ready from the 30 finest pens of White Orpingtons ever mated in the world. Write us your wants.

ALDRICH POULTRY FARM, 8057 N. High St., COLUMBUS, OHIO

# RARE OPPORTUNITY

On account of the death of my poultryman, I am offering my stock at reduced prices considering the quality. This is a rare opportunity to get such stock.

M. F. MORRIS :: 525 Century Bldg. :: ATLANTA, GA.

## GABHART'S White LEGHORNS

Strictly line-bred for ten years. I have won and furnished winners for nine of the very best shows. High-class single birds, trios and pens that will win or breed winners. A guarantee with each bird. "A little better for a little less." W. E. GABHART, Box M, Bohon, Ky.

# FLETCHER'S Buff ROCKS

ALWAYS WINNERS, won at Chattanooga show 1st cock; 1st cockerel; 1st, 2nd pullet; 2nd, 3rd hen; 1st pen. Stock and eggs for sale. Eggs, \$2.00, \$3.00, \$5.00 per setting, \$10.00 per hundred.

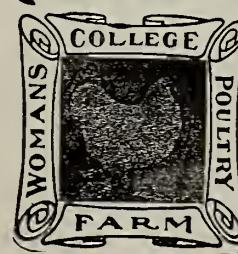
JNO. G. FLETCHER :: 404 Vance Avenue :: CHATTANOOGA, TENN.

# CHAMPION BARRED ROCKS

I am now ready to furnish eggs from my wonderful layers. Every pen headed by a 1st prize winner. My clean sweep of four 1st and two 2nd on six entries at the Tenn. State Fair means quality. Incubator eggs, \$5.00 per 100, \$45.00 per 1000.

A. G. CALLAWAY, R. F. D. No. 22, Box 55, LOUISVILLE, KENTUCKY

# SPECIAL SALE!



## ORPINGTONS

White INDIAN  
Black  
Buff

DUCKS

White  
Fawn and White  
Penciled

## White WYANDOTTES—S. C. RHODE ISLAND REDS

In two recent shows we won thirty-six firsts and eleven specials, more than all competitors combined. Breeder, shipper and importer. Write for catalogue.

Woman's College Poultry Farm :: Meridian, Mississippi

winter do they unite to roost in immense communities. Many roosts are known where not less than 100,000 crows spend the night during this season of the year, and most of these roosting places have been used year after year.—U. S. Dept. Agriculture.

Try a Classified Ad. in The Hen

# Don't Feed Green Food!

**Succulenta Tablets**

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail .75. Can of 250 large tablets by mail \$1.50. YOUR MONEY BACK IF NOT SATISFIED. Drop postal for particulars to The Succulenta Co., P. O. Box 405-25, Newark, N. J.

# S. C. WHITE LEGHORNS



I have 200 Breeders for Quick Sale at BARGAIN PRICES. Cocks, Cockerels and Yearling Hens.

CHICK-A-DEE FARM J. A. DINWIDDIE Proprietor New Market, Tenn.

# COWAN'S WHITE LEGHORNS

Win, lay and pay. I won 26 blues in four 1913 shows, including 1st cock, 3rd and 4th pullet at the Great Tenn. State Fair. Pens now mated. Eggs from exhibition matings, \$2.00 and \$3.00. High-class utility stock, \$1.00 per setting. Mating list and show record on request.

THOMAS COWAN

:-

DECHERD, TENNESSEE



## FOR SALE Single Comb BROWN LEGHORNS

15 yearling cocks, 100 yearling hens, and cockerels and pullets. I want to dispose of my yearling stock before cold weather in order to make room for my young stock. Circular free.

M. S. COPELAND, Powell Station, Tenn.

# S. C. BUFF ORPINGTONS

Winners at the South's leading shows. Stock and eggs at reasonable prices. I make a specialty of supplying breeding stock to beginners. Illustrated catalogue free.

CLAUDE F. DEAL

:-

Lock Box B

:-

LANDIS, N. C.

## Poultry Disease Department

By J. A. THORNHILL, Hartselle, Alabama

Q.—I have quite an assortment of chickens and would like to get some information. I keep my chickens more for pleasure than for money; will appreciate it if you will answer the following questions:

1—Cause and remedy for droppings very green?

2—Cause for droppings being grey-tipped with white?

3—Cause for droppings being red, loose and milky?

4—Cause for droppings being in sections and watery?

5—Cause for hard crop, very loose bowels? I managed to cure one that was affected with question (5) after several weeks, but she was nothing but a little bunch of bones and finally died.

6—How about Oculum? I tried it without success.

A.—You no doubt pamper your chickens too much—all they need is sound, wholesome food; clean, dry and well ventilated roosting quarters and water.

1—There are several causes for the bowels becoming green. It denotes cholera, but in your case I believe it is the result of too much pampering.

2—The bowels in this condition denotes health.

3—Too much corn and other fat-forming

food will cause the bowels of poultry to get into this condition.

4—Constipation is generally the cause of this trouble; a liberal feed of green food will correct this trouble.

5—This trouble we term as crop-bound. Chickens eat straw, etc., which being hard to digest, clogs up into a ball, preventing the food passing out into the intestine. The crop can be opened and contents removed or else the food can be dissolved by forcing water into the crop and the head held down until crop empties. Repeat this one or more times, after which, if the crop is yet full, open it and remove the contents and carefully sew it up. Straw and other hard substance should never be left where poultry can get to it.

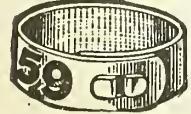
6—Yes, I have used Oculum and found it satisfactory; you, no doubt, used too much.

Q.—I have a Black Minorca hen that holds her head back over her body; cannot walk without falling; cannot eat nor drink; quivers and shakes her head and body. What is the trouble, and can I save her? I also have two hens that lay soft-shelled eggs; they are very fat and healthy.—Subscriber, Ala.

A.—You, like many in the South, feed too much corn and other fattening food. The hen that is already sick is too fat or the trouble was caused from it and those laying soft-shelled eggs are also too fat. Give your hens more green food and less corn and other fattening food. Compel them to exercise and they will get all right soon.

Q.—A black hen stole her nest several months ago and set, but never did hatch. She has never straightened out and hasn't moulted yet; comb is a dark rusty black. She sneezes during the day; her eyes are slightly swollen; breathes through her mouth. It may be roup, but there is no discharge from the nose.—Miss B., Huntsville, Ala.

A.—As a rule, hens that steal their nest during the fall and set, never moult until late. Your hen is badly out of condition; she needs a general tonic; she has signs of roup. Give her a reliable roup cure. Permanganate of potash, enough put into the drinking water to color it a deep wine color, is a good cure for roup, colds, etc.



Ideal Aluminum Leg Band  
To Mark Chickens  
CHEAPEST AND BEST  
12 for 15¢; 25-200; 50-35¢; 100-600; 175-\$1.00;  
200-\$1.10; 500-\$2.50. Price list and sample 2¢.  
Frank Myers, Mfr., Box 50, Freeport, Ill.

## WHY

Not Write to

## CARTER

About His

## BROWN LEGHORNS

Young Stock for Sale

E. E. CARTER

Dept. IH Knoxville, Tenn.

## HAVE YOU FED PRESCRIPTION NO. 4?

Elsewhere in this issue you will find the advertisement of the Nabob Remedy Co., Box 31, Gambier, Ohio. They make the following statements about their new discovery, Prescription No. 4, and back up these statements with the guarantee that if No. 4 does not do as they say it will they will refund your money.

1. Prescription No. 4 makes it possible to get the entire life crop of eggs from a hen in from one to two years instead of five, and without any injury to the hen. No. 4 has stood the acid test of five years of rigid trial by one of the foremost breeders and fanciers of America, and he has this to say: "Prescription No. 4 is the only scientific stimulant that I know of. It doesn't in any way injure the vitality of the finest breeding stock. It absolutely makes eggs."

2. By its use all beef scraps, charcoal and grit may be dispensed with, and all their cost saved and yet better results obtained than when they are used. 5 lbs. of Prescription No. 4 contains more egg making material than a ton of oyster shells and 25 lbs. of beef scrap combined.

3. It insures egg fertility in breeding stock. Its continual use will eradicate the White Diarrhoea parasitic, cicidium tenellum, from the laying organs of the hen, and hence this dread scourge will not appear in your chicks, at hatching time.

4. It is an excellent tonic for growing chicks. No leg weakness will appear if No. 4 is used.

5. Dealers who have your interest at heart will recommend purchase of No. 4 rather than oyster shell, mustard and pepper preparations, or charcoal, as they are mere money eaters or hen killers or both. Insist on your dealer getting No. 4 as it is the only laying stimulant that furnishes the elements that grain and mashes lack.

See their ad. in this issue for prices.

To make anything pay it is necessary to sell it when it will bring the highest price. Let it be eggs, broilers, roosters or what not, try to have them ready when market prices are highest. It makes quite a difference in the selling value, whether one gets 15 or 30 cents a pound for his birds.

## "THREE DOLLARS FOR PENNY"

You can make 50¢ to \$3 each, on sick chickens, turkeys or ducks. We buy them and cure them with "OCULUM." You can too. "OCULUM" will tone your flock and give you 15 per cent more eggs free from GERMS, fit for a KING.

"Have used 'Oculum' two years. It is more meritorious than you claim. F. D. Sutton, Mgr. Poultry Fancier."

"Have hens now laying, given up for dead and cured with 'OCULUM.' Rev. H. R. Walker, Mobile, Ala."

"You have opened a gold mine for the chicken man. Jos. L. Hendry, Louisville, Ky."

"My hens moults in half the usual time and lay better. L. H. Molan, Pronto, Nev."

Dealers bottle, 50¢ and \$1. If skeptical, dime brings either size, pay balance if O. K. AGENTS HARVEST—BOOKLET FREE.

H. I. CO., Box M, Salem, Va.

# Utility and Fancy Pigeons

By JOHN A. PORTER, Porterdale, Ga.

## A WORD TO THE LADIES.

The editor of this section is egotistical enough to say he believes that he is in a position to advise you to breed pigeons, without any fear of impairing his reputation or misleading you or doing you an injustice.

Any thrifty systematic woman can succeed in this business and by the expenditure of only a small sum of money, provided she will take the advice of some one who knows and carefully follow out instructions to the letter.

The writer will obligate himself to answer any inquiry, either through The Hen or otherwise, with regard to the construction of loft, purchasing of stock and other details pertaining to the venture, provided the person seeking advice will enclose stamp for reply.

I repeat again what I have said a great many times: "Buy Good Stock." My article on loft construction has already appeared in this magazine. However, the loft described in this article is subject to variation to suit the purse and taste of the breeder provided the essentials, viz: the exclusion of rats and mice and those pertaining to ventilation and draughts are complied with.

Taking up again the subject of stock: It is the widespread impression that as a rule women go to the bargain counter to make their purchases. Be this as it may, it is absolutely essential that you forget this peculiar phase of woman's nature for the time being if you expect to make a success with pigeons. The little common pigeon that flies around and gets its daily supply of food from the streets is all right in its innocent, inoffensive way, but as a commercial squab breeder it bears about the same relation as an exhibition game bantam does in the poultry industry.

In the purchase of stock the first thing you should do is to familiarize yourself with the characteristics of the particular breed of pigeons you expect to breed. In making your purchase insist on the birds coming up to practically the standard weight, type and color. The two last mentioned properties are not considered by many writers to be very essential in their advice to beginners, especially if he or she expects to breed utility pigeons. I consider it very highly essential, however, unless one expects to go into strictly squab breeding on a large scale in which only squabs are sold. In this case type and color make very little difference. All small breeders should be fanciers for they cannot depend on their sale of squabs alone as their only source of income. What should be done is to sell for squabs birds which in their judgment will not develop or closely approach the correct standard of the breed. This culling should be done systematically and with common sense and judgment. If this is done, you will soon be in a position to sell breeders from your lofts that will bring you a good price and on which you will most surely make a reputation, provided that you advertise them, and that you have nerve enough to ask the price they are worth and show the stock exactly as you represent it to be. If you have birds of the right type and breeding, describe them to your customers as such and place the proper valuation on them. They may not sell so rapidly at first. Here is where some patience is required. Do not give your birds away, for if you keep them advertised you will surely get inquiries from people who want good stock and who are willing to pay for what good stock is worth. If you will follow this advice you will not only make a success in a business way, but you will derive a degree of pleasure and satisfaction from your hobby—if it is to be termed as such—that can be equaled in no other way.

## SIX REMARKABLE HATCHES

Springfield, Ohio, December 1, 1913.

The Industrious Hen:

You will no doubt be interested to learn the results of six different hatches that were made simultaneously in six different parts of

# BLUE and WHITE POULTRY YARDS

Blue WYANDOTTES

Blue LEGHORNS

EGGS

White WYANDOTTES

White LEGHORNS

from all Blue Ribbon White Wyandottes \$7.50 per 15. Other pens \$2.50, \$3.00 and \$5.00 per 15. Blue Wyandottes, \$7.50 and \$5.00 per 15. Blue Leghorns, \$7.50 per 15, other pens \$3.00 and \$5.00 per 15. White Leghorns, \$2.00 per 15. I won at Columbus, Ga., Nov. 1913, on Blue Wyandottes, 1st pen. Blue Leghorns, 1, 2, 3 pen; 1, 2 hen; 1, 2 cock; 1st cockerel; \$5.00 special for best display. White Wyandottes, 3, 4, 5 pen; 4 hen; 5 cock. The Geo. Hamburger gold and silver cup for best pen by lady exhibitor. My White Wyandottes won 1st pen at Atlanta, S. I. P. A. show 1911, also 1st pen 1912, different birds. Single entry, 3rd hen; 5th cock. Every bird in my pens prize winners. A few trios Blue Leghorns, \$25.00 trio; yearling stock. Satisfaction guaranteed. Life Member A. P. A.

MRS. C. A. BULLOCH, Box 15-B, BULLOCHVILLE, GA.

# FOLLOW ME

Why is an All Wool Chicken a hobble skirt or a flight arrester? Answer to the first will be found in our free catalogue of "All Wool" Buff Leghorns and White Rocks and we have a friend who can answer the others. Write

WOOLLEY'S POULTRY FARM, Route 4, Charlotte, N. C.



## WEELAUNEE LOFTS PORTERDALE, GA.

JOHN A. PORTER, Prop.

My CARNEAUX, MALTESE, ENGLISH RUNTS and MONDAINES have won in the whole circuit of shows this year over 100 blue ribbons and seven silver cups besides numerous specials. In purchasing my stock you have the satisfaction of knowing that they are as good as money can buy and years of long experience can breed. If this is worth anything to you enclose two cent stamp for prices, etc., I can very likely send you references in your own locality. Ask one of the best pigeon Judges in America what he thinks about them. His address on request.

the country with six Buckeye incubators of exactly the same type.

This record was kept for the purpose of learning whether the widely different atmospheric conditions would make any difference in the hatching results or the vitality of the chicks, and we were much gratified to prove conclusively that all machines hatched equally well, despite the fact that no artificial moisture was used in any of them.

This test was made during the most unfavorable part of the hatching season, and resulted as follows:

Albion Poultry Yards, Bangor, Pa. Hatched 149 chicks from 150 fertile eggs. All chicks strong and healthy.

N. F. Hewes, Gulfport, Miss. Hatched 109 chicks from 110 fertile eggs. All chicks strong and healthy.

Maplewood Poultry Farm, Cheshire, Conn. Hatched 98 chicks from 98 fertile eggs. Operator never used an incubator before. All chicks strong and healthy.

Shady Oak Poultry Farm, Hendricks, W. Va. 95 chicks from 102 fertile eggs. All chicks strong and healthy.

W. H. Jones, Philadelphia, Pa. 101 chicks from 101 fertile eggs. Hatch made in a store under very unfavorable conditions. All chicks strong and healthy.

L. C. Poling, Parsons, W. Va. 98 chicks from 102 fertile eggs. All chicks strong and healthy.

The results of this test convince us that artificial moisture is entirely unnecessary when the incubator is properly constructed to provide moisture in the natural way—and should set aside any further argument as to the necessity of using artificial moisture in incubators.

Of course there are any number of incubators that cannot be operated successfully without artificial moisture, simply because their system of heating and ventilating demands it, but under the improved system of heating and ventilating used in the construction of the Buckeye incubators, they can be operated with equal success in any climate and under any conditions. We just had a communication from a customer in New Mexico (which is admitted to be the most difficult climate for artificial incubation) advising us that during an entire season's hatching with

his 110-egg Buckeye, he had but two dead chicks in the shell all season.

During the season just passed we received hundreds of testimonial letters from all parts of the country, all showing the same high percentage of hatches from all of the five sizes of machines that we build, ranging from 60 eggs to 350 eggs, thereby proving conclusively that the Buckeye no-moisture plan of hatching is more uniformly successful than the old guesswork plan of trying to figure out just when and how much moisture should be applied.

We know that you will be gratified to have this old argument settled conclusively, and if any of your readers should want any information on the subject in question, we would be very glad to have you refer them to us.

THE BUCKEYE INCUBATOR CO.

We want the name of every young man who is ambitious to



BE A LAWYER

and we want to hear from every business man who wishes that he knew BUSINESS LAW.

Write today and let us tell you how we have made lawyers out of hundreds of young men just like you, and equipped business men with a legal training that has been of immense benefit to them. This School, founded 23 years ago, has graduates who have passed bar examinations in every state in the U. S. Courses endorsed by Bench, Bar, and Business men.

Learn about (1) our Complete College Law Course which fits for practice, and (2) our Complete, Practical, Business Law Course for Business Men. Find out about the low cost, and see how easily you can obtain a thorough knowledge of the Law while continuing your present work. Easy Terms!

Send today for handsome catalog and list of successful graduates all over the U. S. who grasped their opportunity by once answering an ad. like this! THE SPRAGUE CORRESPONDENCE SCHOOL OF LAW 401 American Building, Detroit, Mich.

STUDY  
LAW  
AT  
HOME

# 130 EGG Wisconsin Wins In Big Hatching Contests Every Year



Wisconsin Incubators won in 1910, 1911, 1912 and 1913 in National Hatching Contests—thousands of machines competing. Catalog tells all about it, and why Wisconsins are winners. If ordered together both machines \$10—freight paid east of Rockies. Wisconsins have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self regulating. Nursery under tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up, ready to use when you get them. Incubators finished in their natural color showing the high grade Calif. Redwood lumber we use—not painted to cover up cheap material. If you will send for our catalog we will send you a sample of the material, then you can compare it with the kind others use. If you will do BOTH this we know you will order a Wisconsin Incubator Co., Box 82

Or 180 Egg Incubator Chick Brooder Both \$11.50  
Racine, Wis. FOR \$10



## WE DONE MOVED

Owing to the increasing demand for my "Dixie's Quality Strain" White Wyandottes, have moved to Buntyn, Tenn., where I am better prepared to supply you with the very best stock and eggs. Now have advantage of Memphis cheap express rates and numerous railroads, insuring quicker delivery. Eggs now ready from the best pens I have ever mated, which contain all my winners of the leading Southern shows. Write for handsome mating list and prices on stock.

CARRINGTON JONES, Box 145, BUNTYN, TENNESSEE

## S. C. BUFF LEGHORNS

You must get busy if you want to raise some good stock in 1914. We can spare a few more excellent cockerels, of same strain, as the winners at Chicago, at C. E. show at Knoxville, at Tenn. State Fair, Nashville, and S. I. P. A. at Atlanta, where we won 1st and 4th cockerel, 5th pullet, 1st hen and 1st pen. Cockerels at \$3.00 up. One splendid 2 year old cock at \$10.00, if taken direct from this ad.

HOYAL JOHNSON :: Box 80 :: BRUSH CREEK, TENNESSEE

## Single Comb BUFF LEGHORNS

BROOK LAWN BEAUTIES won at Knoxville Conservation Exposition, 1st ck., 1st hen, 1st and 2d pullet, 3d and 5th ckl., 2d pen. Also American Buff Leghorn Club ribbons for best shape and color female. If you want a cockerel from same strain, bred from a \$100.00 pen, send \$5.00; or if you do not care so much for show points, but want a strong, vigorous, good shape and color bird, send \$3.00 to

HOYAL JOHNSON, Box 80, Route 2, BRUSH CREEK, TENN.

## BARRED AND PARTRIDGE PLYMOUTH ROCKS

We have our pens mated and will be ready to ship eggs by Feb. 1st. Satisfaction guaranteed.

Wolf Creek Poultry Yards, Box 242, Abingdon, Virginia

## Specialty Clubs and Associations

As Reported by Their Secretaries

### WHITE PLYMOUTH ROCK CLUB MEET.

The White Plymouth Rock Club will hold their annual meeting in connection with the fourteenth annual show of the Fanciers' Association of Indiana, at Indianapolis, February 2nd to 7th, 1914.

The election of officers is slated for Thursday and Friday afternoons, February 5th and 6th. Changes in the present constitution and other progressive matters will be acted upon.

Breeders are invited to send in their ideas for the further advancement of the Club and breed.

Hundreds of dollars in special cash prizes together with at least twenty cups and other specials, are offered to White Rock breeders. These prizes are so divided that each winner will participate.

To have your birds present will entitle them

to representation among the country's finest and even one prize won will stamp them as champions

For premium list with full details, write The White Plymouth Rock Club, Albashire, Bartlett, Tenn.

### "OCULUM"

The H. I. Co., Salem, Va., have a novel method of demonstrating the exceeding merit of "Oculum". They buy sick turkeys, ducks and chickens, cure them with "Oculum" and resell them. There's no "fake" in this method. They buy fowls with cholera, roup, white diarrhoea, canker, blackhead, sorehead, gapes, and leg weakness. In their ad. in this issue on another page, they offer to send for a dime either a 50c or \$1.00 bottle to any one on trial. Try "Oculum" and you will be agreeably disappointed with results.

### CONTENTS OF EGGS

Hen eggs contain 50 per cent water, 16 per cent protein and 33 per cent fat.

Duck eggs, 46 per cent water, 17 per cent protein and 36 per cent fat.

Goose eggs, 44 per cent water, 19 per cent protein and 36 per cent fat.

Turkey eggs, 48 per cent water, 18 per cent protein and 33 per cent fat.

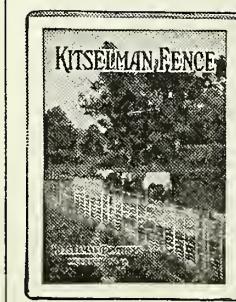
Protein, as is generally known, is the substance that goes to make muscle and blood. Fat, of course, is fuel for running the body machine. Thus it will be seen, eggs, though half, or nearly half, water, are extremely nutritious, containing all the elements required for the building up and support of the human body.—Ex.

Did you know that eggs are canned as regularly as is any fruit or vegetable? In the West the great egg packers have what are called "zero rooms." Here the whites and yolks sometimes are separated, the whites alone or the yolks alone being canned and sold to confectioners, bakers, etc. More often the whites and yolks are mixed, frozen and sold in a body. With the advent of this method of preserving eggs, size and weight become of first importance, freshness being assured. It is more economical to handle eggs that weigh, say, twenty-eight ounces to the dozen than it is to handle the same number of eggs that will weigh about twenty-five ounces to the dozen. It is easy to see why, for there are fewer eggs to be tested, fewer shells to break, fewer contents to separate and less wasted weight in egg shell. We throw this out as suggestive to breeders. Large kinds of fowls produce the large egg; the smaller breeds may produce more eggs to the pound, but these do not bring the ready sale to canners, bakers, restaurants, or to confectioners.

Where one can get a really good incubator, it is much safer to hatch out eggs in an incubator than to set them under hens. Hens generally have lice and mites hidden in their feathers, and these pass to the young chicks as soon as they hatch out. Hens are likely to harbor parasitic worms in their intestines and thus scatter the eggs of these worms with their manure. And hens which are used to hatch out a brood are "off the job" for too long a time to be profitable sitters.

### NEED GOOD POULTRY FENCE?

If so, look up the advertisement of Kitselman Brothers of Muncie, Indiana, on page 269 of this issue.



They can supply your wants and supply them right. They are advertising a poultry fence with mesh wires close enough for small chicks, yet strong enough to turn stock.

Their latest catalogue, handsomely illustrated, on farm, poultry and lawn fencing, is now ready. Write them for it. It's free. Address Kitselman Brothers, Box 253, Muncie, Indiana.

# Germifugue

(Non-Poisonous)

KILLS Poultry ILLS. A MANY in ONE Remedy

A Scaly-Leg Ointment. A Lice Ointment. A Healing Ointment.

Also an Internal Remedy of Wonderful Efficiency in All Germ Diseases.

2 Ounce 25 cents; 1 Pound \$1.00

No free samples, but a 25-cent tin will be sent on approval.

Guaranteed by

**J. H. PETHERBRIDGE**  
Manufacturer  
MT. AIRY, PHILADELPHIA, PA.

Under the Food and Drugs Act, June 30, 1906, Serial No. 41869.

## Popular Talks on Law

By WALTER K. TOWERS, A. B., J. D.,  
of the Michigan Bar

In KANSAS CITY there is a place of amusement called the "Hippodrome." A part of its attractions is a wild animal show, the cages containing lions and other animals. Some time ago, a young lady, Miss Cushman by name, went to an afternoon performance as a guest of one of her friends who was one of the exhibitors and trainers of the animal show. At the instance of her friend she was admitted by the doorkeeper without purchasing a ticket. After the show had closed Miss Cushman loitered about waiting for her friend to appear. She came near the bars of the arena, and a lioness, either attracted by the red hat which Miss Cushman wore, or because of its natural viciousness, reached through the bars and seized the young lady by the head. She was seriously injured before she was extricated. She brought suit against the proprietors.

The court held in the first place that though she had not purchased a ticket she was not a trespasser, but was legally and properly on the premises and so was owed the same degree of care and protection as any other visitor. It was further held that while it is not unlawful for a person to keep wild animals, though they may be such as are by nature fierce and dangerous, it is their duty to keep them in such a manner as to absolutely prevent injury to others. As they had failed to do this they were responsible for the results and Miss Cushman recovered damages to the extent of \$3,000.

In a similar case a small boy attended a combination moving-picture show and museum where a monkey was running at large without restraint. The boy, having seen others feed the monkey, began to give it peanuts. The monkey dropped one of the peanuts and the boy stooped to pick it up. This seemed to enrage the monkey, which attacked the boy, biting him on the leg. For this injury he sued.

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are still winning. Just won at Little Rock, Ark., October 18-19, 1913, 1st ck.; 1st, 2d, 3d and 4th hen; 1st ckl. and 1st pullet, on 7 birds. Better write me for prices on stock. I guarantee satisfaction.

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The court held that a monkey is an animal naturally wild and vicious, and that the keeper of such an animal must prevent its injuring another at his peril. As the boy was not directly responsible for the attack he was entitled to recover damages.

These cases illustrate the general rule of law that one who keeps an animal that is wild by nature does so at his peril and for all resulting damage must be held responsible. These are the responsibilities which one assumes by keeping what is commonly known as a "wild" animal.

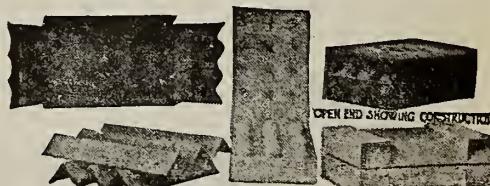
In the case of domestic animals the rule is somewhat different. One who keeps an animal which has been domesticated and cannot be classed as necessarily vicious by nature is not necessarily liable for all damages. One who keeps a domestic animal which is not naturally inclined to commit mischief, while he must use all reasonable means to prevent its doing any damage, is not legally responsible should it chance to do unforeseeable damage at a place where it had a right to be. But if it be demonstrated that the animal was in fact vicious, and further that the owner knew of that fact, or should have known it, then he will be responsible for the injury. Thus in the case of domestic animals the owner's responsibility depends upon his knowledge of the animal's vicious traits.

The increasing of the liability of the owner because of his knowledge of his animal's viciousness is a rule of law that is found in the Scriptures. In Exodus xxi:28, 29 it is written: "If an ox gore a man or woman, that

they die; then the ox shall surely be stoned, and the flesh shall not be eaten; but the owner of the ox shall be quit. But if the ox were wont to push with his horn in the past, and it hath been testified to his owner, and he hath not kept him in, but that he hath killed a man or a woman; the ox shall be stoned, and his owner shall also be put to death."

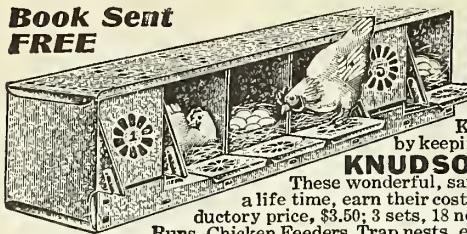
The reason for casting this special responsibility upon the keeper of vicious animals is stated by the courts as follows: "The reason of the rule is to enable strangers to pursue

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their objects with security from vicious animals. The public are entitled to act upon the presumption that all dangerous animals are properly confined and people are therefore exonerated from any special caution against such beasts, except when, without right, persons go upon the land of the owner of such animals and within the place where the latter may be lawfully kept."

This general rule applicable to domestic animals is applicable to dogs, though some courts have hesitated to classify them as strictly domestic animals. Some judges have insisted that a dog is essentially vicious by nature and so special responsibility should be cast upon the owner of a dog, and in some states special responsibility is imposed by statute. But, generally speaking, one is only responsible for injuries committed by his dog if he knew the dog to be vicious or if he allowed the dog to be where he was not allowed by law. One who has no reason to believe that his dog or his cow or his horse is vicious and who handles it in the usual and proper manner is not responsible should some injury result from a trait of the animal that could not have been foreseen.

But if one knows that his dog or his horse or his cow is ferocious and likely to attack people an absolute responsibility is imposed upon him by law. If the animal does damage to another he may be held in damages to the injured party. Even though the vicious animal be kept upon the owner's premises and the person injured be a trespasser, the owner may be liable if the person trespassed in the day time, and was not warned away or otherwise protected by reasonable means.

If a person is required by the laws of his state to keep his domestic animals enclosed on his property and they break away and onto the property of another, the owner is responsible for the damage they may do even though he had no knowledge of any mischievous or vicious propensities.

Now is the culling time. Every male and every female showing any departure from the best should be separated from the spring breeding stock. Such birds can be sold or kept for eggs, or eaten at home. But make no mistake in the final selection for breeding purposes. Use only the best and from them the best will come.

Remember that the louse lives permanently on the body of its unwilling host. The mite is a night marauder, going to the fowl in the darkness, sucking away its lifeblood and slipping back to its hiding place in the crevices at daylight. Hens and houses must be kept constantly cleaned and disinfected.

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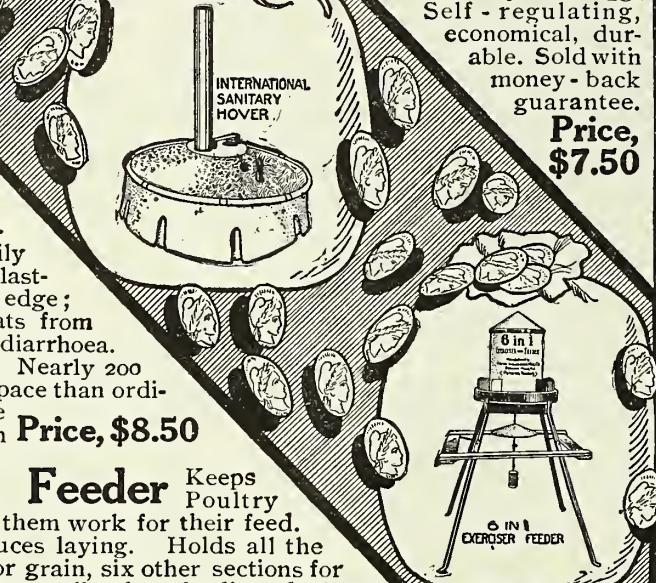
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Single Comb White  
LEGHORNS**

**Win, Lay and Pay**

One thousand hens at bargain prices, to make room for our growing stock.

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DENSMORE POULTRY FARM  
Incorporate  
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# BUFF PLYMOUTH ROCKS

Lead all the breeds as the ideal fowl for the South. Great producers of eggs and meat, as well as being ideal fancy fowls. WYNOKE STRAIN leads all other Buff Rocks. If you want Buff Rocks for eggs, meat or to win for you in the show room write,

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At TENNESSEE STATE FAIR 1913, on eight entries I won five firsts and three seconds and special. At CHATTANOOGA 1913, on four entries I won four firsts and two specials. At AUGUSTA 1913, in fierce competition, on four entries I won 2nd hen, 3rd pen and 5th cockerel. Get eggs for hatching from the kind that always win.

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JASPER ::- :: TENNESSEE

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"THE BEST IN THE SOUTH." Have won more first and second prizes and specials than all competitors combined. Book your order for eggs now. \$8.00 to \$15.00 per 15. Stock always for sale. To the party making the best display of my strain of White Rocks at the Memphis Fair, 1914, I will give a handsome silver cup. Hatch early and get in the race. Eggs, trio, pens for sale.

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# GLENVIEW Single Comb Buffs Exclusively ORPINGTONS

After 11 years with this best of all breeds, I am again shipping eggs for hatching at \$2.50 per setting of 15 eggs. This insures your getting some eggs from each of my carefully selected pens without paying fancy prices, and puts high quality chicks within reach of all. Orders promptly attended to. No circulars. \$2.50 per setting of 15.

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# AN EYE OPENER

Official reports of Mrs. P. T. Callaway's Single Comb Rhode Island Red winnings for 1913:

Hagerstown Interstate Fair: Cocks, 2, 3; hen, 1; cockerel, 1, 2; pullets, 2; pen, 1, 4; special for best male; special best female. Knoxville National Exposition: Cock, 1, 5; hen, 1; cockerel, 1, 2; pullet, 2, 4; pen, 1, 2; Audigier cup; best pen in show; A. P. A. medal; best cockerel American class; club ribbon; best shaped male; best colored male; best colored female; best shaped female.

Augusta Poultry Show: "The Premier Show of the South." Cock, 1, 2, 3, 4, 5; hen, 1, 3, 4, 5; cockerel, 1, 2, 3, 4, 5; pullet, 2, 3, 4; pen, 2, 3, 4, 5; \$10 "best display"; cup for best cock; Chronicle cup for "best display any one variety"; Schaul cup, "best and largest display in show."

Southern International, Atlanta, Georgia: Cock, 1, 3, 4, 5; hen, 3; cockerel, 1, 3, 4; pullet, 3; pen, 2, 5; cup "best display in American class"; cup for "best cock in show".

These records speak for quality, and my reds are a heavy laying strain. If you want eggs for hatching, or stock, write me.

MRS. P. T. CALLAWAY ::- ::- WASHINGTON, GEORGIA

P. S.—Mrs. P. T. Callaway raised these Reds.

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The best Poultry book ever published, and the Industrious Hen 1 year 75c, or 2 years \$1.00

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America's foremost strains, farm raised, trap nested, White, Black and Buff Orpingtons, Partridge Plymouth Rocks, Dark Cornish Indian Games. Eggs, \$2.00, \$3.00 and \$5.00 per 15. South's champion flock of Fawn and White Runner Ducks. Eggs, \$2.00, \$3.00 and \$5.00 per 12. Breeders and exhibition birds for sale at all times. Write us your wants. Largest and best equipped poultry plant in the Southeast. Pens scientifically mated and headed by imported and Southern champion males. Our Mr. Harlee is secretary and treasurer Eastern Carolina Poultry Association, and member A. P. A. Get our handsome catalogue.

# SPAUGH'S BARRED PLYMOUTH ROCKS

Wins Lion's Share at great Cincinnati show, Dec. 1 to 7, 1913: Cock, 1st; hen, 1-2-3; cockerel, 1-2-3-4; pullet, 1-4; cockerel-bred hens, 1-4-5; cockerel-bred pullets, 2-4-5; pullet-bred cocks, 3; pullet-bred cockerel, 1; exhibition pen, 1st; pullet mated pens, young, 1st; old, 1st; cockerel mated pens, young, 1st; old, 2nd. In competition open to the world in large class. This is proof that Spaugh's Barred Rocks have the winning quality as well as utility points. I have several hundred show and breeding cockerels, also cocks, hens and pullets. Can mate pairs, trios, and pens to suit customers that will produce high-class specimens the coming year. Write your wants. Eggs \$5 per 15.

C. E. SPAUGH

BOX 5

RUGBY, INDIANA

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DINSMORE ALTER

University of Alabama

TUSCALOOSA, ALABAMA



## ONCE AGAIN!

ENTIRE SHOW; and my two pullets won first and third. A splendid record, but my birds always win. Send for my 6th annual mating list (1914), describing my superlative matings of White Leghorns, Buff Orpingtons and White Plymouth Rocks. These pens produced every one of the many prize winners exhibited by me and furnished my customers this season. Eggs and day old chicks. Exhibition or utility. Prices right. DeWITT C. BACON, 88 Springfield Ave., Guyton, Ga.

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### ANDREWS EFFICIENCY STRAIN BARRED PLYMOUTH ROCKS

and S. C. White Leghorns make the most sensational records at this season's great Southern Shows ever attained by any Southern Breeder. Wonderful winnings at National Conservation Exposition Show in Knoxville in September; Atlanta, New Orleans and Chattanooga in December, each show made with different strings of birds, proving we raise abundant prize winning specimens. At the National Conservation we won with ten March hatched youngsters—Leghorns: 1, 2 cockerel; 1st pen and 3rd and 5th pullets; special purse for the best cockerel in the show (all varieties competing) A. P. A. Medal for best cockerel in Mediterranean class; N. S. C. W. L. Club special, best display, best pen and best cockerel. At Atlanta in December in the hottest competition in the South—in Barred Rocks—2nd hen and in 275 W. Leghorn entries, largest display ever seen South of the Ohio River, 5th pen and 5th hen. In Chattanooga, the week following, with different specimens, in the largest and best show ever held by Chattanooga Poultry Association, we made the most wonderful winnings ever made in the South. On Barred Rocks we took every Blue Ribbon, 1st cock; 1, 2, 3 cockerel; 1, 2, 4 hen; 1, 3, 4 pullet; 1st pen. In Leghorns, 4th cock; 1, 2, 3, 4 hen; 1, 2 pullet, and 1st pen. Also \$50.00 trophy for best pen in show, all varieties; special cup best pen in Mediterranean class; special cup best display in entire show. In New Orleans, same week as Chattanooga "Prince Efficiency," Barred Rock Cockerel won 1st cockerel. This on one entry. If you're from Missouri, we have shown you that "You can always win with Efficiency." ASK THE JUDGES. Beautiful catalogue mailed. Pens now mated up, each headed by a famous champion. Get in line and secure Efficiency Strain. Eggs from either breed, \$6.00 per setting. Prize winning stock and breeding specimens for sale. Originator, breeder Efficiency strain Barred Plymouth Rocks and S. C. White Leghorns. "Ask the Judges."

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